

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

RECEIVED
MAY 17 1990

APPLICATE*

See instructions on reverse side

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. Type of Well

Oil Well ☐

Gas Well ☒

Other

Single Zone ☒

Multiple Zone ☐

2. Name of Operator

Cockrell Oil Corporation

(713) 651-1271

3. Address of Operator

1600 Smith, Suite 4600, Houston, Texas 77002-7348

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

1980' FNL, 800' FEL (SE 1/4 NE 1/4)

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office*

Eight Miles Northeast of Helper, Utah

12. County or Parrish

Carbon

13. State

Utah

15. Distance from proposed*

location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

800'

16. No. of acres in lease

320

17. No. of acres assigned to this well

40

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

N/A

19. Proposed depth

3700'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

7546' GR 7343

22. Approx. date work will start*

June 1, 1990

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	8-5/8" K-55	24.0#	300'	Circulate to Surface
7-7/8"	5-1/2" K-55	15.5#	Total Depth	400± sx

PLEASE REFER TO ATTACHED DRILLING PROGNOSIS.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

Dale Heitzman

Title

Consultant

Date

May 11, 1990

(This space for Federal or State office use)

Permit No.

43-007-30101

Approval Date

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

Approved by

Conditions of approval, if any:

Title

DATE:

BY:

WELL SPACING:

*See Instructions On Reverse Side

BARKER & associates

50 West Main Street
P.O. Box 43

Wellington, Utah
84542

SHIMMIN TRUST NO. 2

SECTION 14 TOWNSHIP 12 SOUTH RANGE 10 EAST SALT LAKE BASE & MERIDIAN

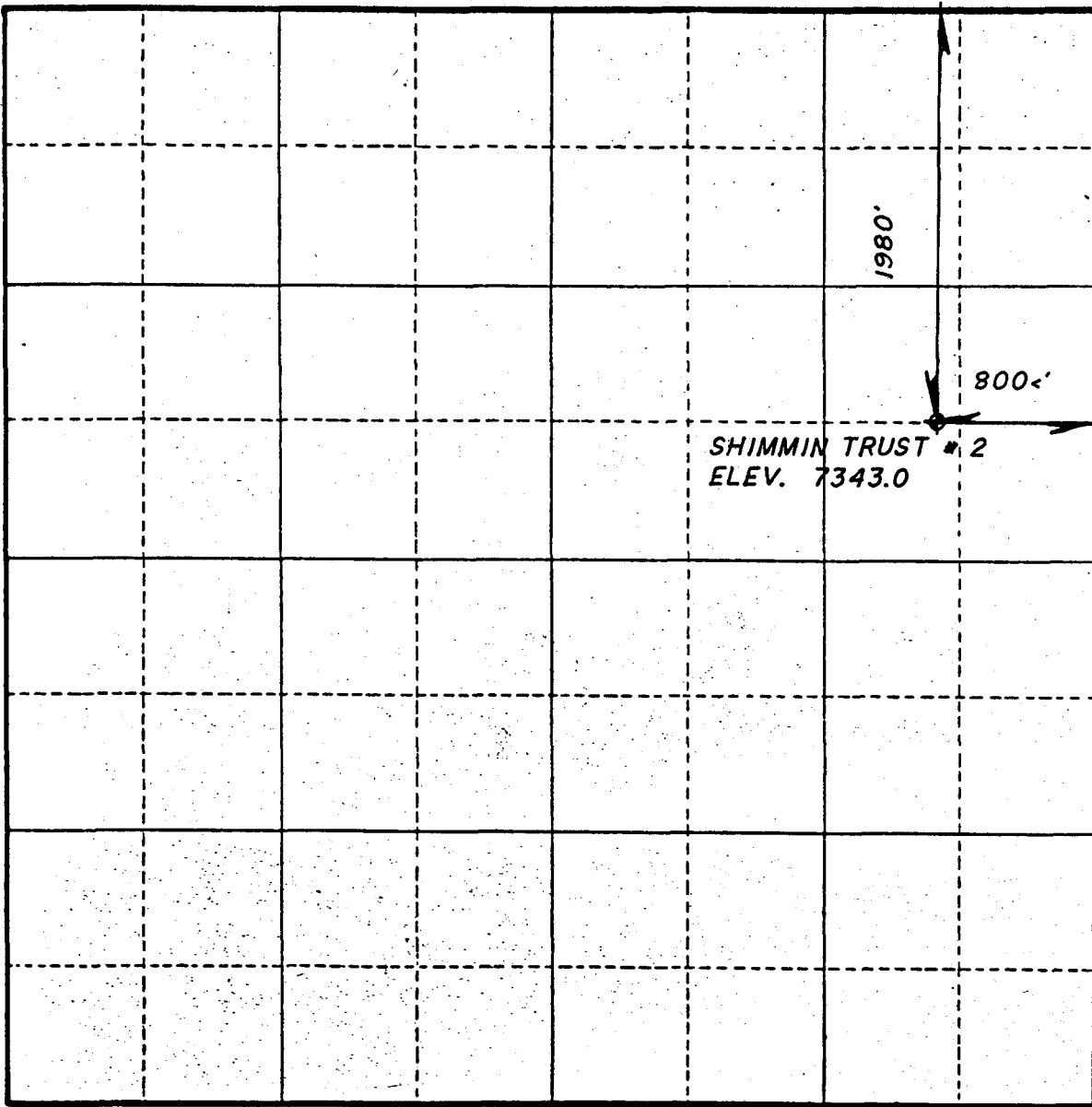
CARBON COUNTY UTAH

NORTH S 89°34' W 2676.96' (GLO)

FOUND BC.

N 0°33' W 2712.6 (GLO)

FOUND BC.



Scale 1"=880 Feet

SOUTH

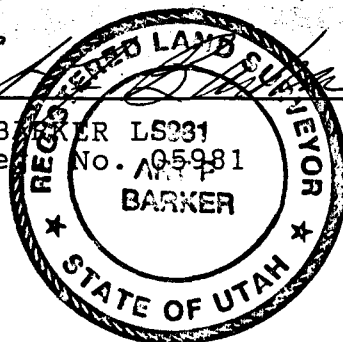
SURVEYOR'S CERTIFICATE

I, Art F Barker, a duly registered Land Surveyor in the state of Utah, do hereby certify that the survey represented by this plat is correct to the best of my knowledge and belief.

Date 5/11/90

By

ART F BARKER LS231
Utah Reg. No. 05981



COCKRELL OIL CORPORATION

#2 Shimmin Trust
SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 14, T12S, R10E
Carbon County, Utah

Proposed Drilling Prognosis

1. Estimated Tops of Important Geologic Markers:

Flagstaff	Surface
Mesaverde B/Main Coal	3100'
Mesaverde B/All Coals	3550'
Total Depth	3700'

2. Estimated Depths of Anticipated Water, Oil and Gas:

Mesaverde Coal 300'-3550' Methane Gas

Fresh water zones, if any, encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment: (Schematic Attached)

Type : 9 or 10" Double Gate Hydraulic with one (1) blind ram and one (1) pipe ram and Annular Preventer; equipped with automatic choke manifold.

Pressure Rating : 3000 psi BOP, 3000 psi choke manifold, 3000 psi Annular Preventer.

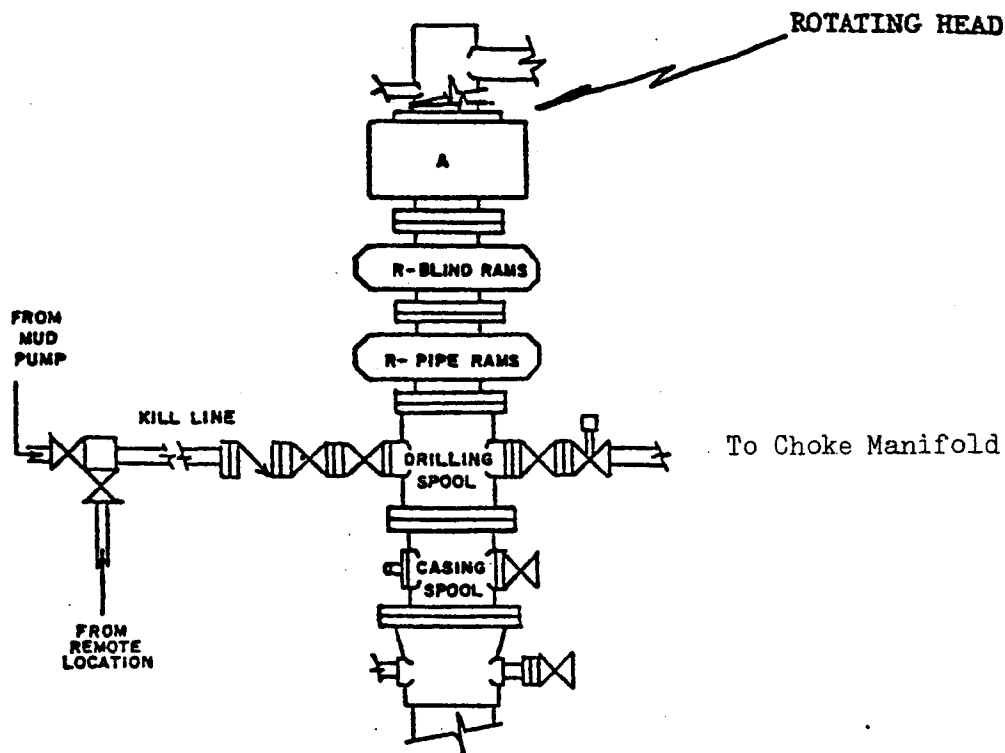
BOP and related pressure control equipment will be tested to 70% of the minimum internal yield pressure prior to drilling out the surface casing shoe and tested every thirty (30) days thereafter and recorded in the driller's log.

4. Mud Program:

<u>Interval</u>	<u>Type</u>
0- 300'	Fresh Water
300-3700'	Air Drill

If unable to drill with air then will convert to native mud (fresh water). No chemicals will be used.

Weight: 8.0# Viscosity: 35-45 Fluid Loss: 15 cc/less



Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test the following to rated pressure:
 - a) inside blowout preventer
 - b) lower kelly cock
 - c) upper kelly cock
 - d) stand pipe valve
 - e) lines to mud pump
 - f) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

COCKRELL OIL CORPORATION

#2 Shimmin Trust
SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 14, T12S, R10E
Carbon County, Utah

Supplement to Application for Permit to Drill

1. Location and Type of Water Supply:

- A. Target Trucking will supply water from Summit Creek located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 11, Township 12 South, Range 10 East. A water permit will be obtained and a copy furnished the Utah Oil & Gas Commission.

2. Methods of Handling Waste Disposal:

- A. Sewage - self-contained, chemical toilets will be provided for human waste disposal.
- B. Garbage and other waste materials - all trash will be contained in a portable trash cage. Upon completion of operations, all trash will be hauled to an approved sanitary landfill.
- C. Cuttings and drilling fluids - the cuttings will be deposited in the reserve pit. Drilling fluids will be contained in reserve pit and allowed to evaporate. The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of one-half (1/2) the total depth below the original ground surface on the lowest point within the pit. The reserve pit will not be lined as only fresh water will be used if drilling with air is not utilized.

3. Plans for Reclamation of the Surface:

- A. Backfilling, leveling and re-contouring are planned as soon as the reserve pit dries. Waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities. If production is established, the unneeded areas of the location will be reclaimed as soon as the reserve pit dries.
- B. Upon completion of backfilling, leveling and re-contouring, the stock-piled topsoil will be evenly spread over the reclaimed area(s). All disturbed surfaces (including access road and well pad areas) will be reseeded using the seed mixture recommended by the Surface Owner.
- C. Three sides of the reserve pit will be fenced during drilling operations. Prior to rig release, the reserve pit will be fenced on the fourth side to prevent livestock and wildlife from becoming entrapped, and the fencing will be maintained until leveling and cleanup are accomplished.

3. Plans for Reclamation of the Surface: Continued

- D. If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substances will be flagged overhead or covered with wire mesh.
- E. The reclamation operations will begin after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Rehabilitation operations should be completed by the Fall of 1991.

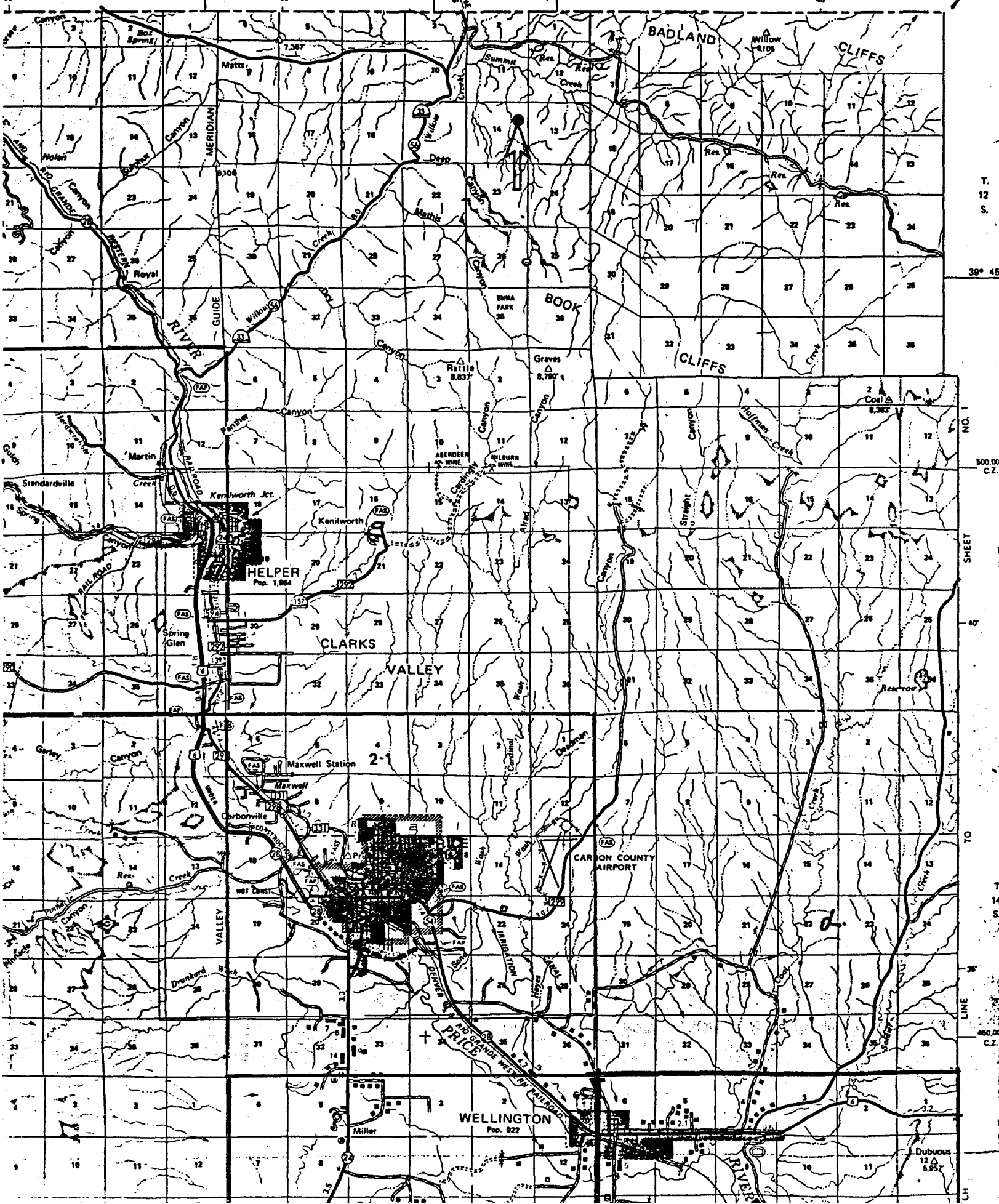
4. Other Information:

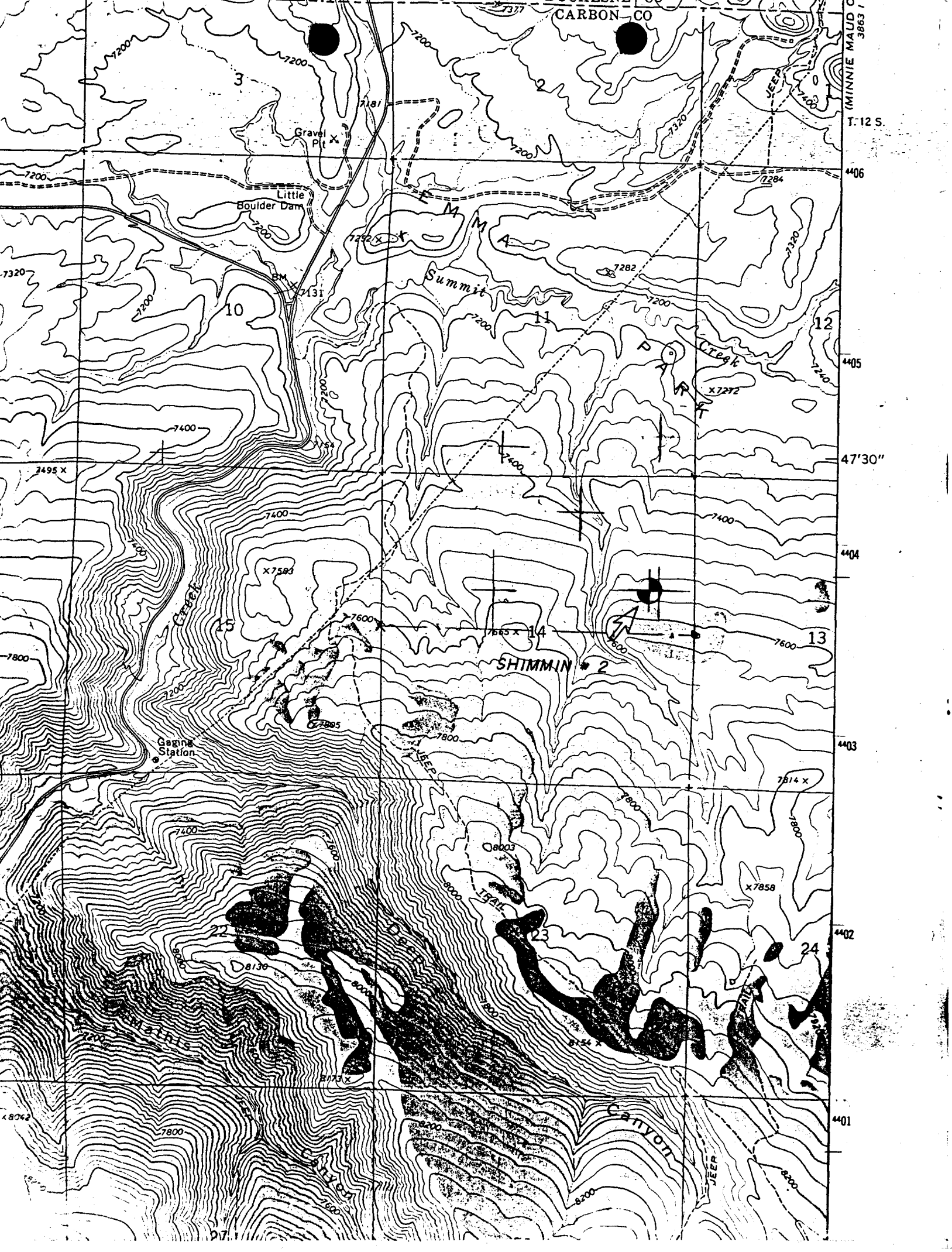
- A. The surface is owned by Shimmin Trust. Telephone: (801) 637-3412
Cockrell Oil Corporation has agreed to their requirements as to the rehabilitation of the surface. The Shimmin Trust is the mineral owner also.

Shimmin Trust
c/o Fannon Shimmin
1551 East North Coal Creek Road
Wellington, Utah 84542

- B. If additional information is required, please contact the following:

Dale Heitzman/Consultant
Heitzman Drill-Site Services
P. O. Box 3579
Casper, Wyoming 82602
Phone: (307) 266-4840 - Office
(307) 265-1558 - Home





CARBON CO

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3863 /
T. 12 S.

Summit

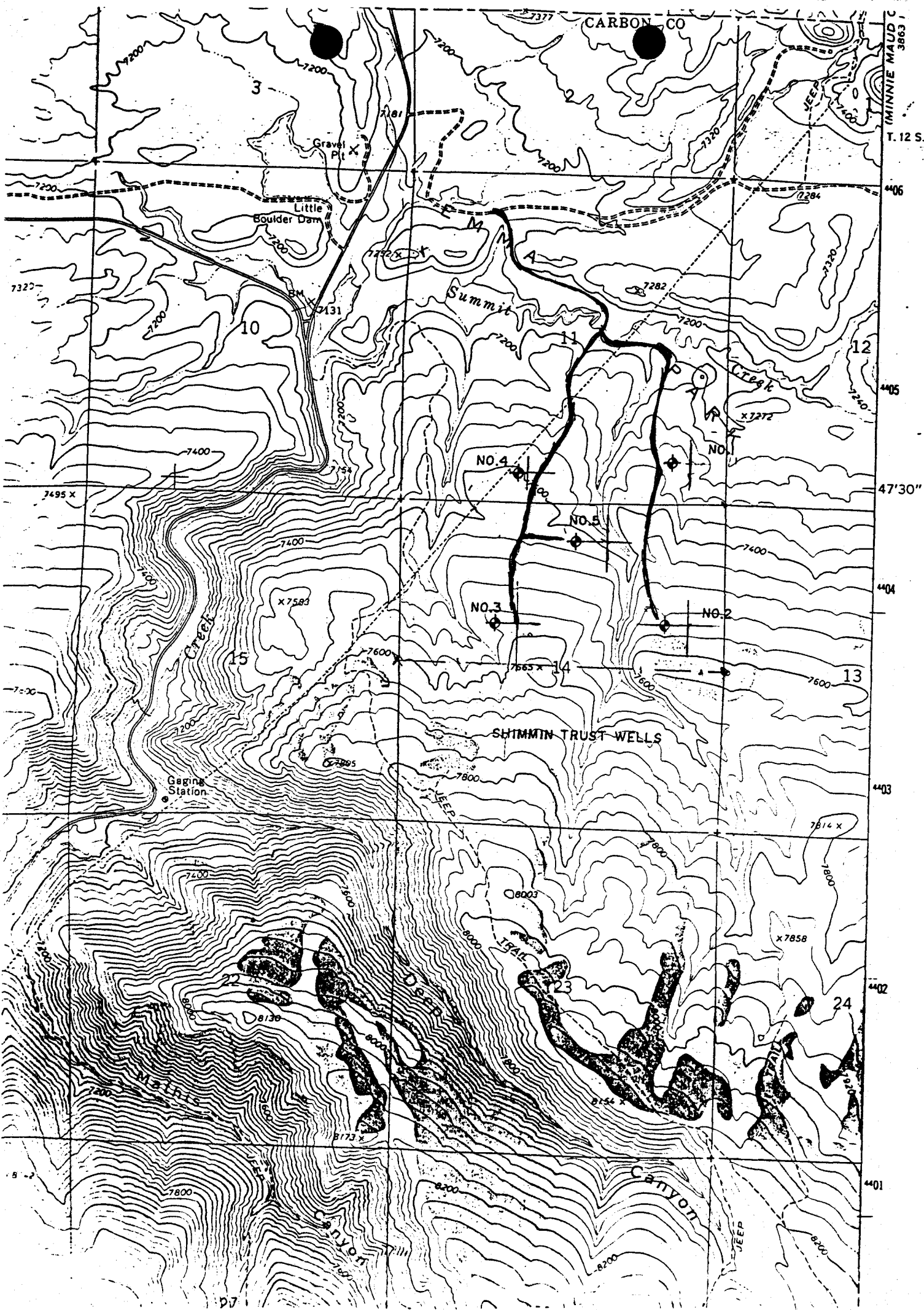
SHIMMER # 2

Gaging
Station

Little
Boulder Dam

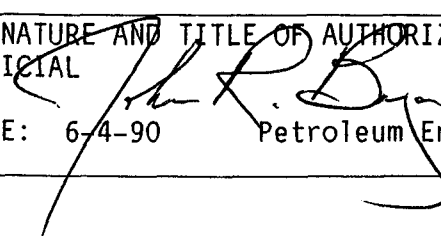
Canyon

JEOP



STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

-
1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
-
3. APPROXIMATE DATE PROJECT WILL START:
June 1, 1990
-
4. AREAWIDE CLEARING HOUSE(s) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Southeastern Utah Association of Governments
-
5. TYPE OF ACTION: ☐ Lease ☒ Permit ☐ License ☐ Land Aquisition
☐ Land Sale ☐ Land Exchange ☐ Other _____
-
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
-
7. DESCRIPTION:
Cockrell Oil Corporation proposes to drill a wildcat well, the Shimmin Trust #2, on a private lease in Carbon County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The DOGM is the primary administrative agency in this case and must issue approval to drill before operations can commence.
-
8. LAND AFFECTED (site location map required) (indicate county)
SE/4, NE/4, Section 14, Township 12 South, Range 10 East, Carbon County, Utah
-
9. HAS THE LOCAL GOVERNMENT(s) BEEN CONTACTED?
Unknown
-
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
No significant impacts are likely to occur
-
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
-
12. FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL
- John Baza
PHONE: 538-5340
- 
DATE: 6-4-90 Petroleum Engineer
-

DRILLING LOCATION ASSESSMENT

MAY 2 5 1990

State of Utah
Division of Oil, Gas and Mining

OPERATOR: COCKRELL OIL COMPANY WELL NAME: #2 SHIMMAN TRUST
SECTION: 14 TWP: 12S RNG: 10E LOC: 1980 FNL 800 FEL
QTR/QTR SE/NE COUNTY: CARBON FIELD: WILDCAT
SURFACE OWNER: SHIMMAN TRUST
SPACING: 460 F SECTION LINE 460 F QTR/QTR LINE 920 F ANOTHER WELL
INSPECTOR: BRAD HILL DATE AND TIME: 5/2/90 11:00

PARTICIPANTS: Art Barker-Surveyor, Jack Bendell-Cockrell, Blain Hemi-Hemi Const., Wayne Nielson-Nielson Const., William Smith-Consulting Engineer, Tony Siaperas-Siaperas Const., Dale Hietzman-Hietzman Consulting, Stan Dudley-Consultant

REGIONAL SETTING/TOPOGRAPHY: West-central Book Cliffs area. The location is on a north facing dipslope of the Flagstaff Limestone Formation. The slope is a fairly flat slope which dips to the north at about 4 degrees.

LAND USE:

CURRENT SURFACE USE: Domestic grazing.

PROPOSED SURFACE DISTURBANCE: A square pad approximately 100'X 100' will be constructed with a 100'X 40' extension for the reserve pit. An access road approximately 1 mile long will be constructed to provide access to the 5 wells in this drilling program. Minor access roads will be constructed to each well site.

AFFECTED FLOODPLAINS AND/OR WETLANDS: The location is about 1/4 mile upslope from Summit Creek. The drilling of this well should have no effect on the creek.

FLORA/FAUNA: Sage, scattered grasses, Rabbit Brush, some cactus/Deer, Elk, Rabbits, Birds

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Clayey-silt with abundant angular cobbles and boulders. Soil formation is thin and mixed with broken and partially weathered limestone.

SURFACE FORMATION & CHARACTERISTICS: Flagstaff Limestone. Interbedded shales and limestones

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation. Locations should be stable.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Mesa Verde Coal/3000'-3550'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: Mostly onsite materials. Roadbed gravel will be brought in for surfacing.

SITE RECLAMATION: As per landowner instructions.

RESERVE PIT

CHARACTERISTICS: The reserve pit will be rectangular with dimensions of 10'X 40'X 10'.

LINING: None needed if mud program is followed as outlined in APD.

MUD PROGRAM: 0-300'/fresh water, 300-3700'/air drill if possible, if not, freshwater mud.

DRILLING WATER SUPPLY: Summit Creek

STIPULATIONS FOR APD APPROVAL

Berm should be placed around outside of location.

ATTACHMENTS

Photographs will be placed on file.

APPLICATION FOR TEMPORARY CHANGE OF WATER

RECEIVED
JUN 08 1990

STATE OF UTAH

RECEIVED

Rec. by _____

Fee Paid \$ _____

MAY 22 1990 Receipt # _____

WATER RIGHTS Microfilmed _____

PRICE Roll # _____

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 3193 Utah Code Annotated 1953, as amended.

OIL, GAS & MINING

*WATER RIGHT NO. 91 - Area _____ *APPLICATION NO. 90 - 91 - 02

Changes are proposed in (check those applicable)

☒ point of diversion. ☒ place of use. ☒ nature of use. ☒ period of use.

1. OWNER INFORMATION

Name: Cockrell Oil Corporation *Interest: _____%

Address: 1600 Smith Road, Suite 4600

City: Houston State: Texas Zip Code: 77002-7348

2. *PRIORITY OF CHANGE: _____ *FILING DATE: _____

*Is this change amendatory? (Yes/No): No

3. RIGHT EVIDENCED BY: 91-366 Morse Decree, First Class
Certificate #a-229

Prior Approved Temporary Change Applications for this right: _____

***** HERETOFORE *****

4. QUANTITY OF WATER: 7.98 cfs and/or _____ ac-ft.

5. SOURCE: Price River

6. COUNTY: Carbon

7. POINT(S) OF DIVERSION: S. 560 ft. & E. 680 ft. from N $\frac{1}{4}$ Cor. Sec. 1, T14S, R9E, SLB&M/

Description of Diverting Works: Concrete Diversion Dam, Earthen Ditches.

8. POINT(S) OF REDIVERSION

The water has been rediverted from _____ at a point: _____

Description of Diverting Works: _____

9. POINT(S) OF RETURN

The amount of water consumed is 7.98 cfs or _____ ac-ft.

The amount of water returned is _____ cfs or _____ ac-ft.

The water has been returned to the natural stream/source at a point(s): _____

*These items are to be completed by the Division of Water Rights.

Temporary Change

10. NATURE AND PERIOD OF USE

Irrigation: From March 1 to November 30
Stockwatering: From _____ to _____
Domestic: From _____ to _____
Municipal: From _____ to _____
Mining: From _____ to _____
Power: From _____ to _____
Other: From _____ to _____

11. PURPOSE AND EXTENT OF USE

Irrigation: 12,576.07 acres. Sole supply of 488.10 acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining: _____ Mining District in the _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): _____

12. PLACE OF USE

Legal description of place of use by 40 acre tract(s): Carbon Canal

13. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet.
Legal description of inundated area by 40 tract(s): _____

***** THE FOLLOWING CHANGES ARE PROPOSED *****

14. QUANTITY OF WATER: _____ cfs and/or 10.0 ac-ft.
15. SOURCE: Summit Creek and Willow Creek
Balance of the water will be abandoned: _____, or will be used as heretofore: X
16. COUNTY: Carbon
17. POINT(S) OF DIVERSION: 1) Summit Creek: S. 2500 ft. & E. 2200 ft. from NE Cor. Sec. 11;
2) Willow Creek: N. 330 ft. & W. 320 ft. from SE Cor. Sec. 3;
3) Willow Creek: N. 1900 ft. & W. 1400 ft. from SE Cor. Sec. 10; all T12S, R10E, SLB&M.

Description of Diverting Works: Portable pump to tank truck
*COMMON DESCRIPTION: 9.5 miles NE of Helper, Utah Matts Summit Quad

18. POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point: _____

Description of Diverting Works: _____

19. POINT(S) OF RETURN

The amount of water to be consumed is _____ cfs or 10.0 ac-ft.
The amount of water to be returned is _____ cfs or _____ ac-ft.
The water will be returned to the natural stream/source at a point(s): _____

20. NATURE AND PERIOD OF USE

Irrigation: From ___/___/___ to ___/___/___
Stockwatering: From ___/___/___ to ___/___/___
Domestic: From ___/___/___ to ___/___/___
Municipal: From ___/___/___ to ___/___/___
Mining: From ___/___/___ to ___/___/___
Power: From ___/___/___ to ___/___/___
Other: From 06/01/90 to 05/31/91

21. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining: _____ Mining District at the _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Gas Well Drilling (5 Wells), Road Construction and Maintenance.

22. PLACE OF USE

Legal description of place of use by 40 acre tract(s): SE $\frac{1}{4}$ SE $\frac{1}{4}$ & SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 11;
NW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$ & SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 14, Township 12 South, Range 10
East, S.L.B.&M.

23. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet.
Legal description of inundated area by 40 tract(s): _____

24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary): _____

The Applicant is filing for temporary use for the drilling of five (5)
gas wells. The earthen holding dam will be designed to allow the free
flow of water through Summit Creek or Willow Creek.

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Dale Heitzman
Signature of Applicant(s)
Dale Heitzman/Consultant for
Cockrell Oil Corporation

STATE ENGINEER'S ENDORSEMENT

TEMPORARY CHANGE APPLICATION NUMBER: t90-91-02

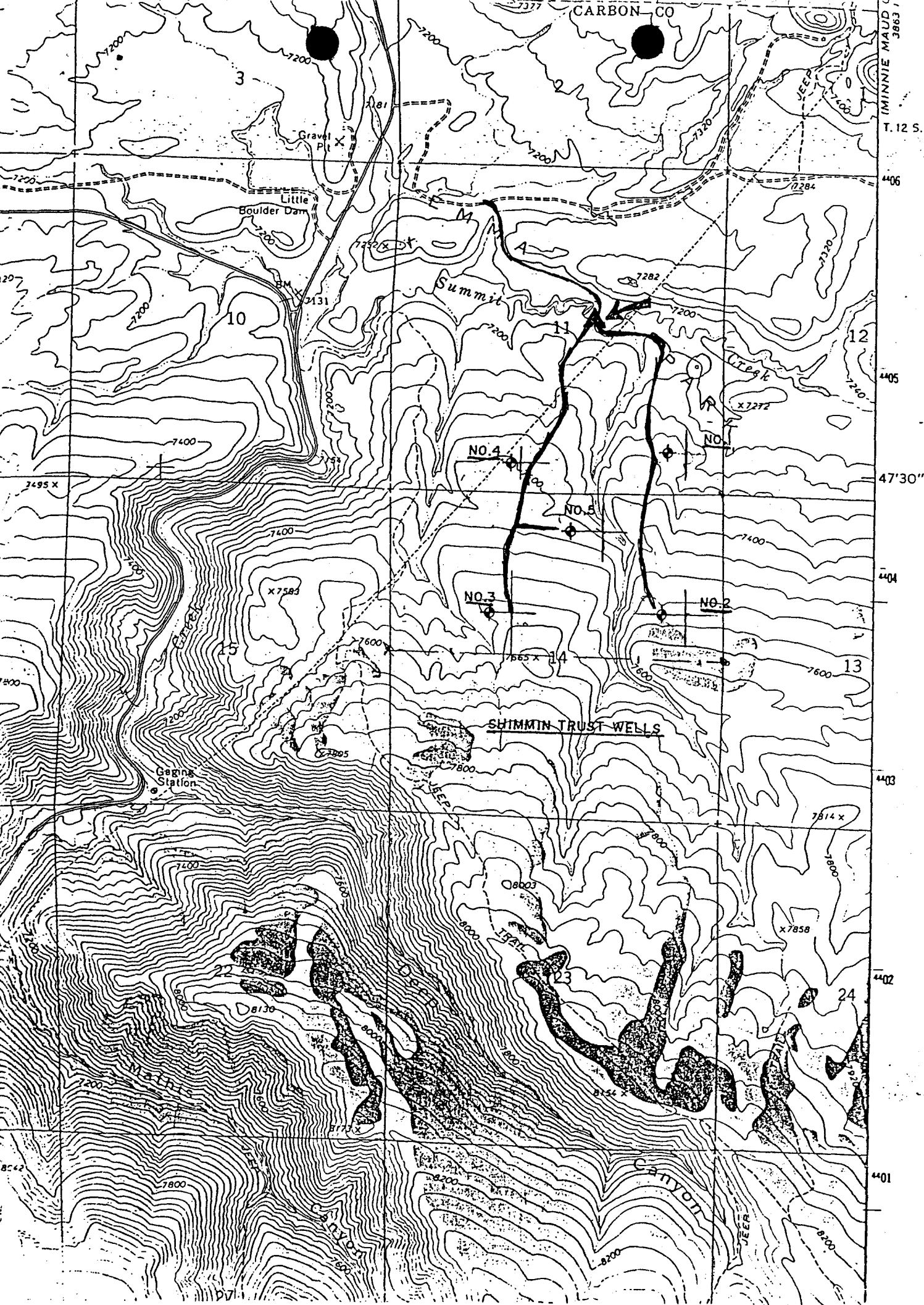
1. May 22, 1990 Change Application received by MP.
2. June 6, 1990 Application designated for APPROVAL by MP.
3. Comments:

Conditions:

This application is hereby APPROVED, dated June 6, 1990, subject to prior rights and this application will expire on May 31, 1991.



Mark Page, Area Engineer
for
Robert L. Morgan, State Engineer



June 6, 1990

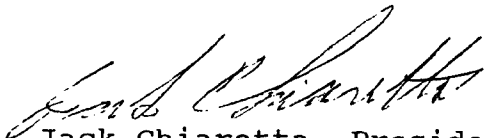
Division of Water Rights
Attn: Mark Page
453 South Carbon Avenue
Price, Utah 84501

Re: Cockrell Oil Company

Dear Mark:

Cockrell Oil Company has leased 10 acre feet of water from the Carbon Canal Company. The water is to be taken from Summit and Willow Creeks, and used in an exploration drilling program. This water will come from the Company's primary water right, No. 91-366. Cockrell will file the necessary paper work with your Division, and pay all the necessary fees.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jack Chiaretta".

Jack Chiaretta, President
Carbon Canal Company

OPERATOR Cockrell Oil Corporation DATE the

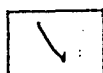
WELL NAME Shimmer Lust W

SEC SENE 14 T 10S R 10E COUNTY Carbon

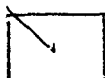
43-007-30101
API NUMBER

the
TYPE OF LEASE

CHECK OFF:



PLAT

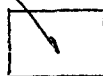


BOND

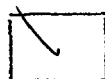
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(300038)



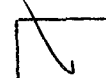
NEAREST
WELL



LEASE



FIELD



POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well within 900 ft (Sec 13-14)

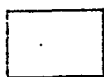
Acids water permit water permit + 90-91-00 (91-000)

Permit 5-05-90 (Geology mineral)

ROCC 5-01-90 / process

APPROVAL LETTER:

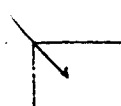
SPACING:



R615-2-3

N/A

UNIT



R615-3-2



N/A

CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

1 water permit

2. the stipulation

0218T

CONFIDENTIAL
PERIOD
EXPIRED
ON 3-01-00

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY: COCKRELL OIL COEP. COMPANY MAN: BILL ELLIOT
WELL NAME: SHIMMIN TRUST 2 API #: 43 007 30121
QTR/QTR: SE NE SECTION: 14 TWP: 12S. RANGE: 10E.
CONTRACTOR: — PUSHER/DRLR: —
INSPECTOR: MICHAEL LAWE DATE: 8/22/90 OPERATIONS: SHUT-IN
SPUD DATE: — TOTAL DEPTH: 4650 T.D.

DRILLING AND COMPLETIONS

☒ APD ☒ WELL SIGN ☐ BOPE ☐ RESERVE PIT
☐ FLARE PIT ☐ BURN PIT ☐ H2S ☐ BLOOIE LINE
☐ SANITATION ☒ HOUSEKEEPING ☐ VENTED/FLARED

PLUGGING AND ABANDONMENT

PRODUCING FM(S): —

PLUGS:	TYPE/SIZE	INTERVAL
--------	-----------	----------

PERFORATIONS: —

CASING SIZE: — PULLED: YES / NO CUT AT: —

PLUGS TESTED: — HOW: — WOC: —

MARKER: — SURFACE: — PLATE: —

RECLAMATION:

CONTOURED: — RIPPED: — REHAB'D: —

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS: WELL IS SHUT-IN. WAITING ON COMPLETION OF REMAINING
WELLS. CLEAN LOCATION, PIT IS FENCED. WELL HEAD ONLY.
RIG MOVED OFF.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY: COCKRELL OIL CORPORATION COMPANY MAN: BILL ELLIOT
WELL NAME: SHIMMIN TRUST #2 API #: 43007 30121
QTR/QTR: SE NE SECTION: 14 TWP: 12 S. RANGE: 10 E.
CONTRACTOR: EXETER PUSHER/DRLR: BOB McSPADDEN
INSPECTOR: MICHAEL LAINE DATE: 7/10/90 OPERATIONS: ARE DRILLING HOLE FOR SURFACE CASING
SPUD DATE: _____ TOTAL DEPTH: _____

DRILLING AND COMPLETIONS

____ APD ____ WELL SIGN ____ BOPE ____ RESERVE PIT
____ FLARE PIT ____ BURN PIT ____ H2S ____ BLOOIE LINE
____ SANITATION ____ HOUSEKEEPING ____ VENTED/FLARED

PLUGGING AND ABANDONMENT

PRODUCING FM(S): _____

PLUGS:	TYPE/SIZE	INTERVAL
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

PERFORATIONS: _____

CASING SIZE: _____ PULLED: YES / NO CUT AT: _____

PLUGS TESTED: _____ HOW: _____ WOC: _____

MARKER: _____ SURFACE: _____ PLATE: _____

RECLAMATION:

CONTOURED: _____ RIPPED: _____ REHAB'D: _____

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS: LOCATION BUILT. HOLE SPUDDED W/ AIR FOR 12 1/4" SURFACE
CASING. WILL MOVE EXETER #7 ON LOCATION FOLLOWING COMPLETION
OF SHIMMIN TRUST #1 WELL.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 13, 1990

Cockrell Oil Corporation
1600 Smith, Suite 4600
Houston, Texas 77002-7348

Gentlemen:

Re: Shimmin Trust 2 - SE NE Sec. 14, T. 12S, R. 10E - Carbon County, Utah
1980' FNL, 800' FEL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-2, Oil and Gas Conservation General Rules, subject to the following stipulation:

1. Cockrell Oil Corporation, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2
Cockrell Oil Corporation
Shimmin Trust 2
June 13, 1990

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-007-30121.

Sincerely,



R. J. Birt
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
J. L. Thompson
WE14/1-6

W. R. SMITH - CONSULTING ENGINEER

6920 S. Prince Way • Littleton, CO. 80120

303-795-0440

RECEIVED
JUN 18 1990

June 12, 1990

GLH

DIVISION OF
OIL, GAS & MINING
Mr. Ron Firth, Director
Oil and Gas Division
Utah Board of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Application of Cockrell Oil Corporation for produced water pits. Shimmins Trust Lease located in Sections 11 and 14, Township 12 South, Range 10 East of the Salt Lake Principal Meridian in Carbon County.

Dear Ron:

Cockrell Oil Corporation has submitted applications to drill five wells to produce gas from the Mesaverde coal beds in the Book Cliffs area just north of Helper and Price. The specific well locations are as follows:

Shimmins Trust #1 SE 1/4, SE 1/4 Section 11, T. 12 S., R. 10 E.
Shimmins Trust #2 SE 1/4, NE 1/4 Section 14, T. 12 S., R. 10 E. 43-007-30121
Shimmins Trust #3 SE 1/4, NW 1/4 Section 14, T. 12 S., R. 10 E.
Shimmins Trust #4 SE 1/4, SW 1/4 Section 11, T. 12 S., R. 10 E.
Shimmins Trust #5 NW 1/4, NE 1/4 Section 14, T. 12 S., R. 10 E.

The following information is submitted in accord with the Oil and Gas Conservation-General Rules:

R615-9-5

- 1.1 Attached, as Exhibit A, is a topographic map showing the location of the wells, drainage in the area and contour intervals.
- 1.2 The maximum daily quantity of water to be discharged is not known at this time; however, we anticipate a daily average discharge from each well to be approximately 500 barrels per day. Although analysis of the water will not be available until production commences, we are aware of water produced from the same zone in a nearby exploration well drilled some time ago by Wexpro and the Department of Energy. A copy of that analysis is attached as Exhibit D. The total dissolved solids of that water was 530 parts per million. We anticipate the water to be produced from the Shimmins Trust wells to be fresh and of the same concentration as this exploratory well.
- 1.3 The National Weather Service office in Salt Lake City advises that the average precipitation at Price is 7.7 inches per year. The Utah Water Resources Division advises that based on reservoir measurements nearby, the average rate of evaporation is 44 inches per year.

R615-9-5 (Cont.)

- 1.4 Based on the anticipated amount of total dissolved solids, Cockrell does not anticipate a significant buildup. In the event such a build up should occur, the solids would be disposed of in accord with the Utah regulations relating to such matters.
- 1.5 The wells are gas wells and no production of liquid hydrocarbons is anticipated.
- 1.6 Attached as Exhibit B is a sketch of the proposed water pit to be used for each well or combination of wells in the event that water production is less than anticipated.
- 1.7 Due to the fine quality of this water, estimated to contain 500 to 600 ppm of total dissolved solids, Cockrell is requesting permission to complete the pits without liners. This request is in accord with rule R615-9-4 section 3. which states, "Application for disposal of produced water into an unlined pit will be considered if such disposal does not demonstrate significant pollution potential to surface or ground water and meets one of the following criteria:" The proposed disposal meets criteria 3.1 since it is significantly below the 5,000 mg/l of total dissolved solids "TDS" and contains none of the objectionable constituents mentioned; and, 3.2 since all of the water will be available for livestock or wildlife watering. Note: Cockrell has taken and analyzed samples of waters from the nearby Willow and Surface Creeks. Willow Creek has total dissolved solids of 559 ppm and Surface Creek has total dissolved of 715 ppm. Both have concentrations in excess of our anticipated produced water. Copies of these analysis are attached for your information as Exhibit C-1 and C-2.
- 1.8 As noted in Exhibit B, the provisions of this section are met.
- 1.9 The provisions of this section will be met at the appropriate time.

I hope that the above information meets the requirements of your office and you will be able to issue unlined water production pit permits to Cockrell for the operation of their Shimmins Trust wells. If you have any questions or need additional information please contact me.

Yours very truly,

William R. Smith
William R. Smith, P.E.

cc: Mr. Feldor Hollenshead
Cockrell Oil Corporation
1600 Smith-Suite 4600
Houston, Texas 77002-7348

OIL AND GAS	
DRN	RJF
JOB	GLH
DTS	SLS
<i>AJBH</i>	
<i>E. Dine</i>	
4. MICROFILM	
5. FILE	

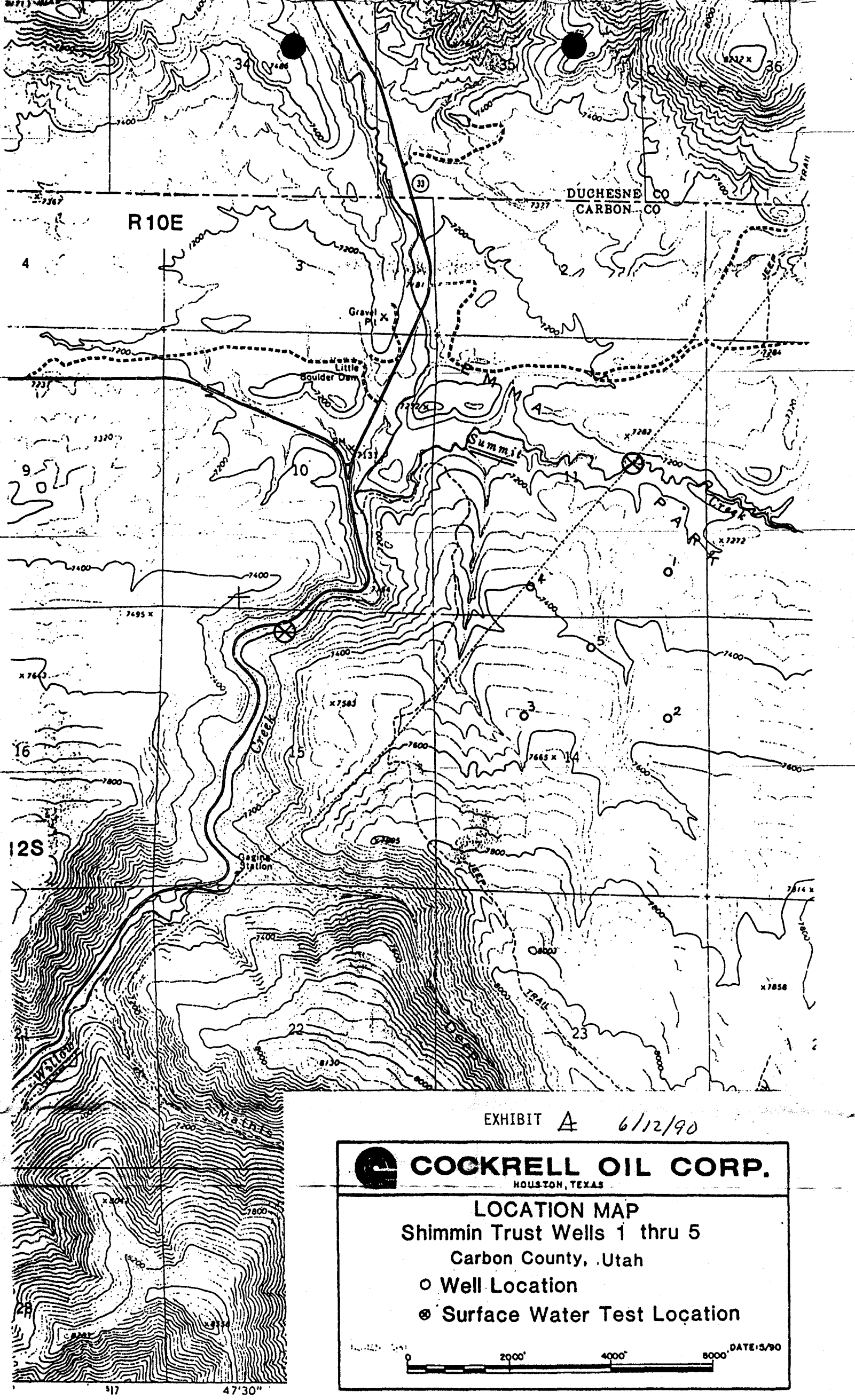


EXHIBIT A 6/12/90



COCKRELL OIL CORP.
HOUSTON, TEXAS

LOCATION MAP
Shimmin Trust Wells 1 thru 5
Carbon County, Utah

- Well Location
- ⊗ Surface Water Test Location



DATE: 5/90

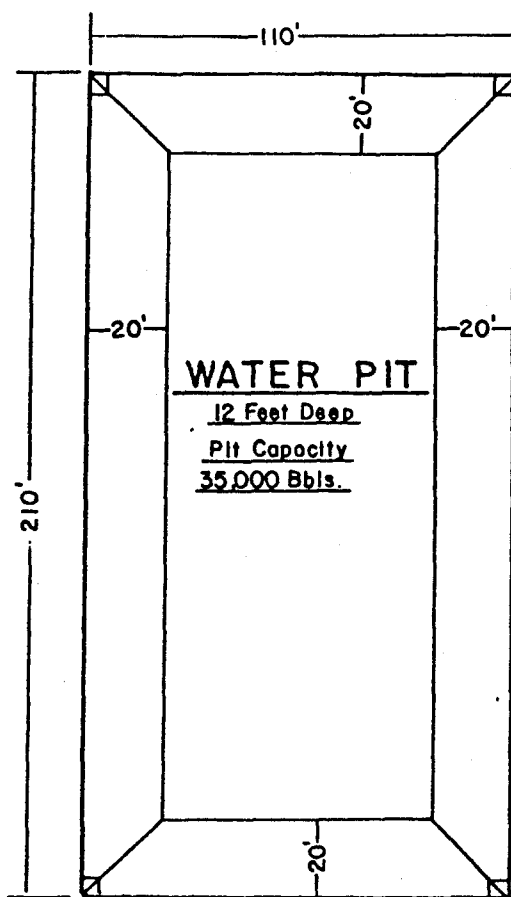
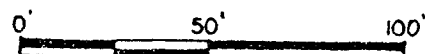


EXHIBIT *B* 6/12/90



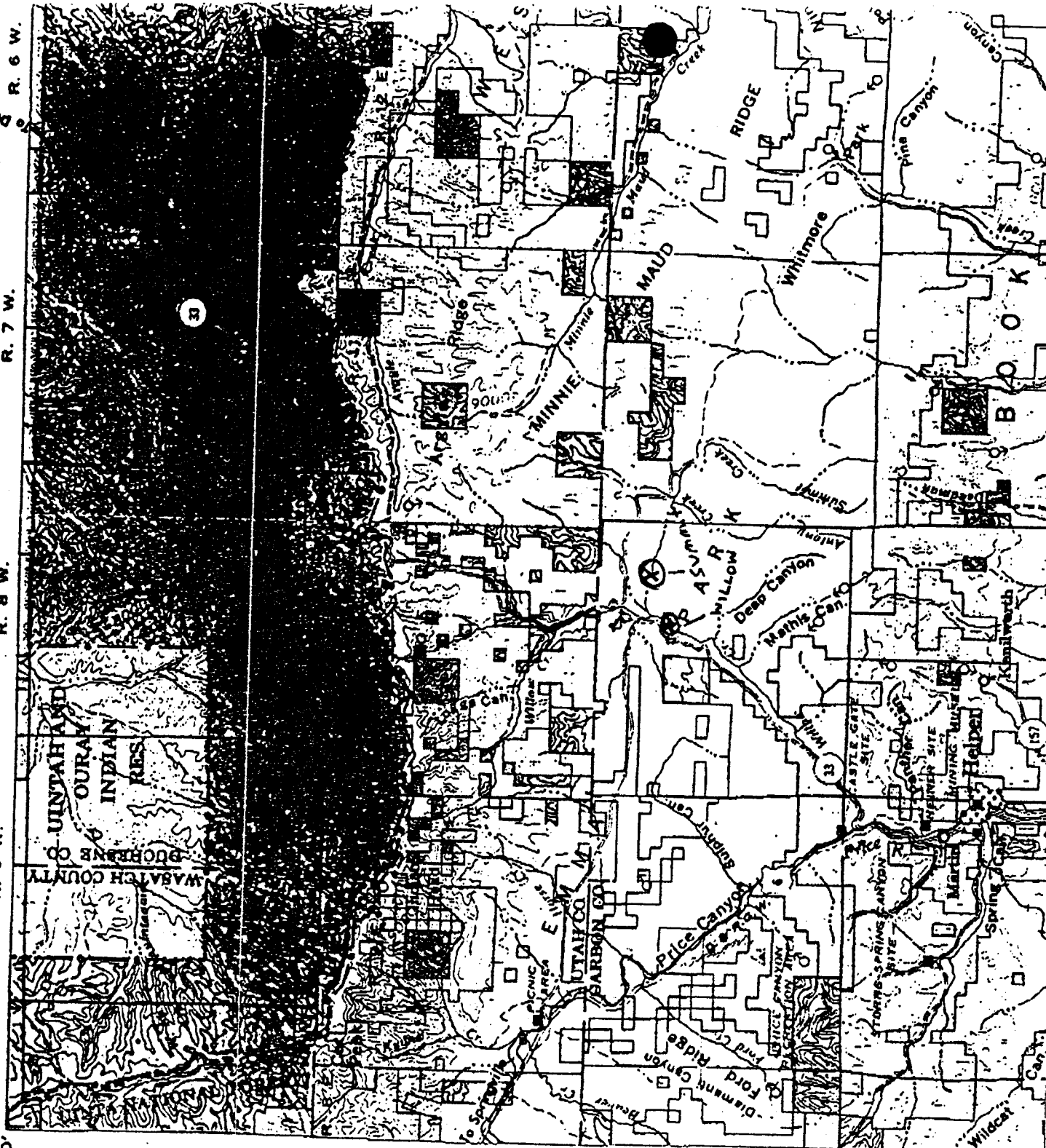
COCKRELL OIL CORP.
HOUSTON, TEXAS

Wellsite Water Discharge Pit



T. 13 S.

⊗ Sample Points



COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84620
TELEPHONE: (801) 863-2311

June 6, 1990

Job No.: 59 10420

Sample ID: COCKRELL OIL CORP.

Date Rec'd: May 31, 1990

SUMMIT CREEK ONE MILE EAST OF
CONFLUENCE

Date Sampled: May 31, 1990

Rec'd 0800 hr.

Sampled 0800 hr.

Sampled By: COMMERCIAL TESTING & ENG. CO.

COCKRELL OIL CORPORATION
1600 SMITH
SUITE 4600
HOUSTON TX 77002

WATER ANALYSIS

Alk., Bicarbonate	418	mg/l HCO ₃	Hardness, Total	467	mg/l CaCO ₃
06-04-90					
Alk., Carbonate	6	mg/l CaCO ₃	Magnesium	65.00	mg/l
06-06-90			06-01-90		
Alk., Total	349	mg/l CaCO ₃	Nitrogen, Nitrate	0.14	mg/l
06-06-90			06-04-90		
Anions, Total	14.65	meq/l	pH	8.30	Units
			05-31-90		
Calcium	79.7	mg/l	Potassium	5.80	mg/l
06-01-90			06-01-90		
Cations, Total	14.38	meq/l	Sodium	114.30	mg/l
			06-01-90		
Chloride	55.0	mg/l	Solids, Dissolved	715.0	mg/l
06-04-90			06-05-90		
Conductivity	1250	umhos/cm	Sulfate	300.0	mg/l
06-31-90			06-04-90		

ANALYST: D. LysonRespectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory



COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TELEPHONE: (801) 653-2311

June 6, 1990

Job No.: 59 10421

Date Rec'd: May 31, 1990

Date Sampled: May 31, 1990

Sampled By: COMMERCIAL TESTING & ENG. CO.

Sample ID: COCKRELL OIL CORP.

WILLOW CREEK 1/2 MILE DOWNSTREAM FROM
CONFLUENCE

Rec'd 0830 hr.

Sampled 0830 hr.

COCKRELL OIL CORPORATION

1600 SMITH

SUITE 4600

HOUSTON TX 77002

WATER ANALYSIS

Alk., Bicarbonate	424	mg/l HCO ₃	Hardness, Total	386	mg/l CaCO ₃
06-04-90					
Alk., Carbonate	8	mg/l CaCO ₃	Magnesium	44.80	mg/l
06-04-90			06-01-90		
Alk., Total	356	mg/l CaCO ₃	Nitrogen, Nitrate	0.12	mg/l
06-04-90			06-04-90		
Anions, Total	10.93	meq/l	pH	8.40	Units
			05-31-90		
Calcium	80.9	mg/l	Potassium	1.39	mg/l
06-01-90			06-01-90		
Cations, Total	11.05	meq/l	Sodium	76.60	mg/l
			06-01-90		
Chloride	30.0	mg/l	Solids, Dissolved	559.0	mg/l
06-04-90			06-05-90		
Conductivity	900	umhos/cm	Sulfate	150.0	mg/l
05-31-90			06-04-90		

ANALYST: D. Lyon

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory

TABLE 25

WHITMORE PARK #1 - WATER SAMPLES

	<u>pH</u>	<u>TDS</u>	<u>TSS</u>	<u>Na</u>	<u>K</u>	<u>Ca</u>	<u>Mg</u>	<u>Fe</u>	<u>Co₃⁼</u>	<u>C</u>
Whitmore Park Well No. 1 (10-29-79)										
760' Aquifer	8.9	542	7	112	1.62	1.32	17.6	0.29	436	20
Unloading @ 2500'	8.0	521	33	72.5	13.4	73.6	44.7	10.7	629	30
Base of Gilson	7.5	531	90	74.6	14.5	75.6	45.4	6.2	657	30
Whitmore Park Well No. 2 (9-15-80)										
Prestimulation production	7.7	230	83	350	20	200	150	11	673	26
Whitmore Unit No. 1 Well (8-12-82)										
Poststimulation production	7.9	3580								600

Cockrell Oil Corporation
Exhibit D

6/12/90



Norman H. Bangerter
Governor
Max J. Evans
Director

State of Utah

Division of State History
(Utah State Historical Society)
Department of Community and Economic Development

300 Rio Grande
Salt Lake City, Utah 84101-1182
801-533-5755

*6-26
well file*

June 26, 1990

Ms. Carolyn Wright
Resource Development Coordinating Committee
State Planning Office
116 State Capitol

BUILDING MAIL

RE: Application for Permit to Drill, Shimmin Trust #2 - UT900606-050

In Reply Please Refer to Case No. 90-0770

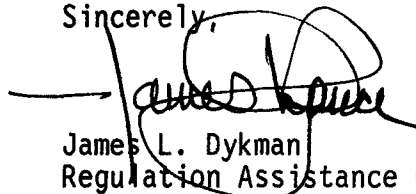
Dear Ms. Wright:

The Utah State Historic Preservation Office has reviewed our cultural resource files for the above requested project area. No prehistoric or historic sites have been recorded within the project area because no cultural resource surveys have been conducted. However, such sites may well exist in the project area.

A survey of the area will likely lead to the identification of more resources, some of which may be eligible for the National Register of Historic Places. It is your responsibility, based on this assessment, to determine the need for further actions, such as field surveys or predictive models to identify historic properties. If you choose to do this, we will be glad to comment on your evaluation of historic properties against the National Register criteria (36 CFR 60.4) should any sites be found. We will also assist in applying the criteria of effect as outlined in 36 CFR 800.5.

This information is provided on request to assist the Division of Oil, Gas and Mining with its state law responsibilities as specified in U.A.C. 63-18-37. If you have questions or need additional assistance, please contact me at (801) 533-7039.

Sincerely,



James L. Dykman
Regulation Assistance Coordinator

JLD:90-0770 OR



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

July 2, 1990

Mr. Feldor Hollenshead
Cockrell Oil Corporation
Drilling and Production Department
1600 Smith, Suite 4600
Houston, Texas 77002-7348

Dear Mr. Hollenshead:

Re: Approval to Construct Produced Water Disposal Pits, Sections 11 and 14,
Township 12 South, Range 10 East, Carbon County, Utah

The application of Cockrell Oil Company for disposal of produced water into unlined pits has been reviewed and considered by the Division staff. The application requests approval for disposal pits at the following well sites:

Township 12 South, Range 10 East

Shimmins Trust #1 SE 1/4, SE 1/4, Section 11
Shimmins Trust #2 SE 1/4, NE 1/4, Section 14 43-007-30121
Shimmins Trust #3 SE 1/4, NW 1/4, Section 14
Shimmins Trust #4 SE 1/4, SW 1/4, Section 11
Shimmins Trust #5 NW 1/4, NE 1/4, Section 14

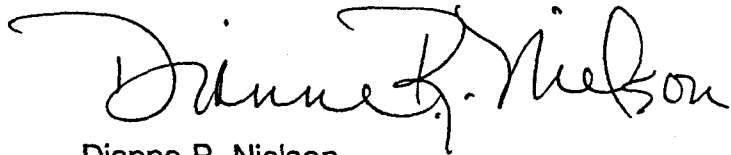
In accordance with Rule R615-9-5-4, Oil and Gas Conservation General Rules, approval is hereby granted to construct the produced water disposal pits as outlined in the application subject to the following requirements:

In accordance with Rule R615-9-5-3.2, a representative water analysis of the produced water is required prior to disposal of produced water into any pit. The Division staff will review the water analysis report and if appropriate, advise the operator of authorization to dispose of the produced water and the frequency of future water analysis requirements.

Page 2
Mr. Feldor Hollenshead
July 2, 1990

If you have any questions or would like to discuss this approval, please call Brad Hill or Gil Hunt at this office.

Best regards,

A handwritten signature in dark ink, appearing to read "Dianne R. Nielson". The signature is fluid and cursive, with a large initial "D" and a stylized "N".

Dianne R. Nielson
Director

BGH/lde
cc: R.J. Firth
Gil Hunt
WOI163

RECEIVED
AUG 29 1990

DIVISION OF
OIL, GAS & MINING

Cockrell Oil Corp.
Shimmin Trust #2
Section 14
Township 12S
Range 10E
Exeter #7
7-28-90
County Carbon Utah
Tested by Rick Batcheler

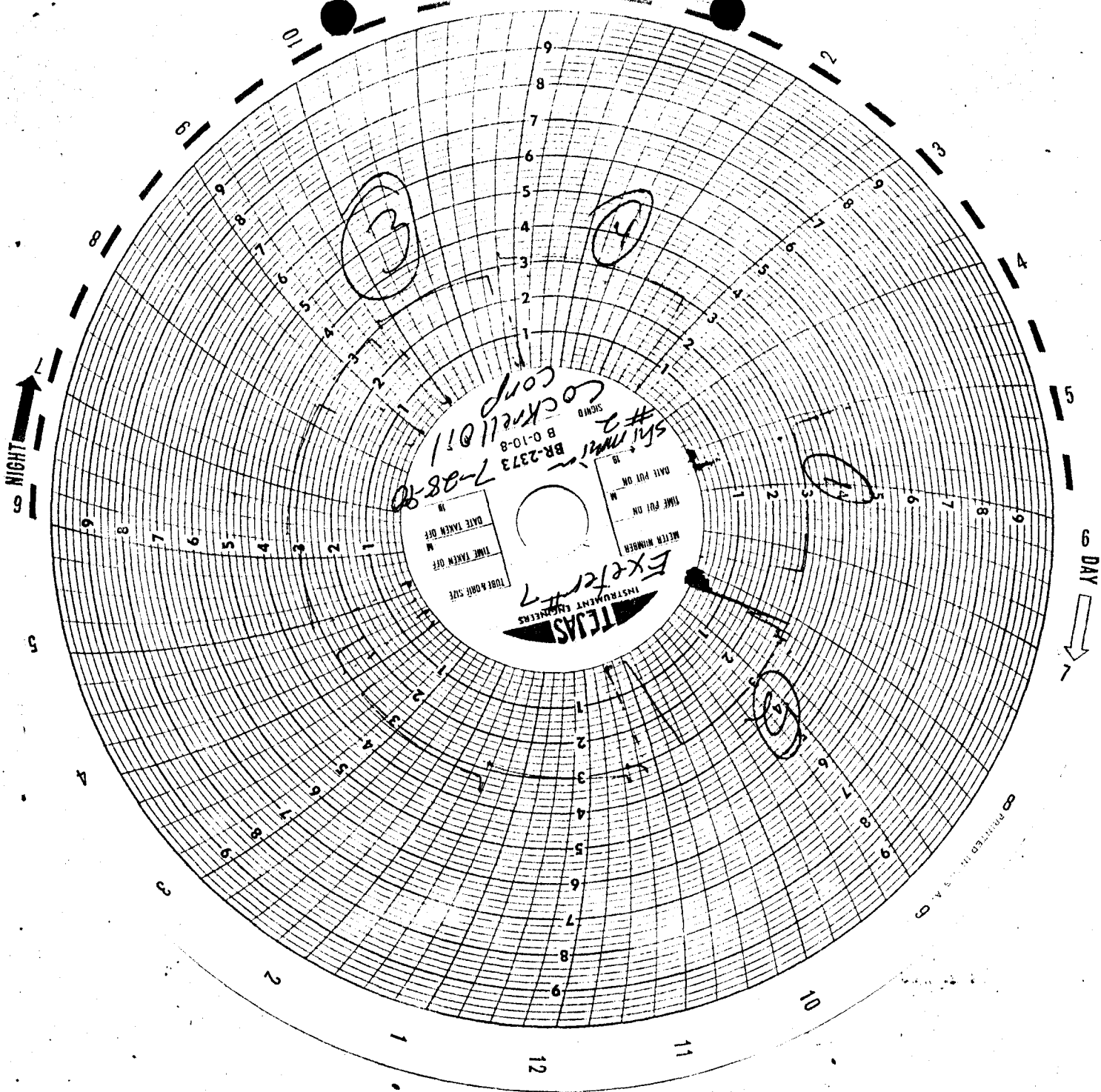
43-007-30121

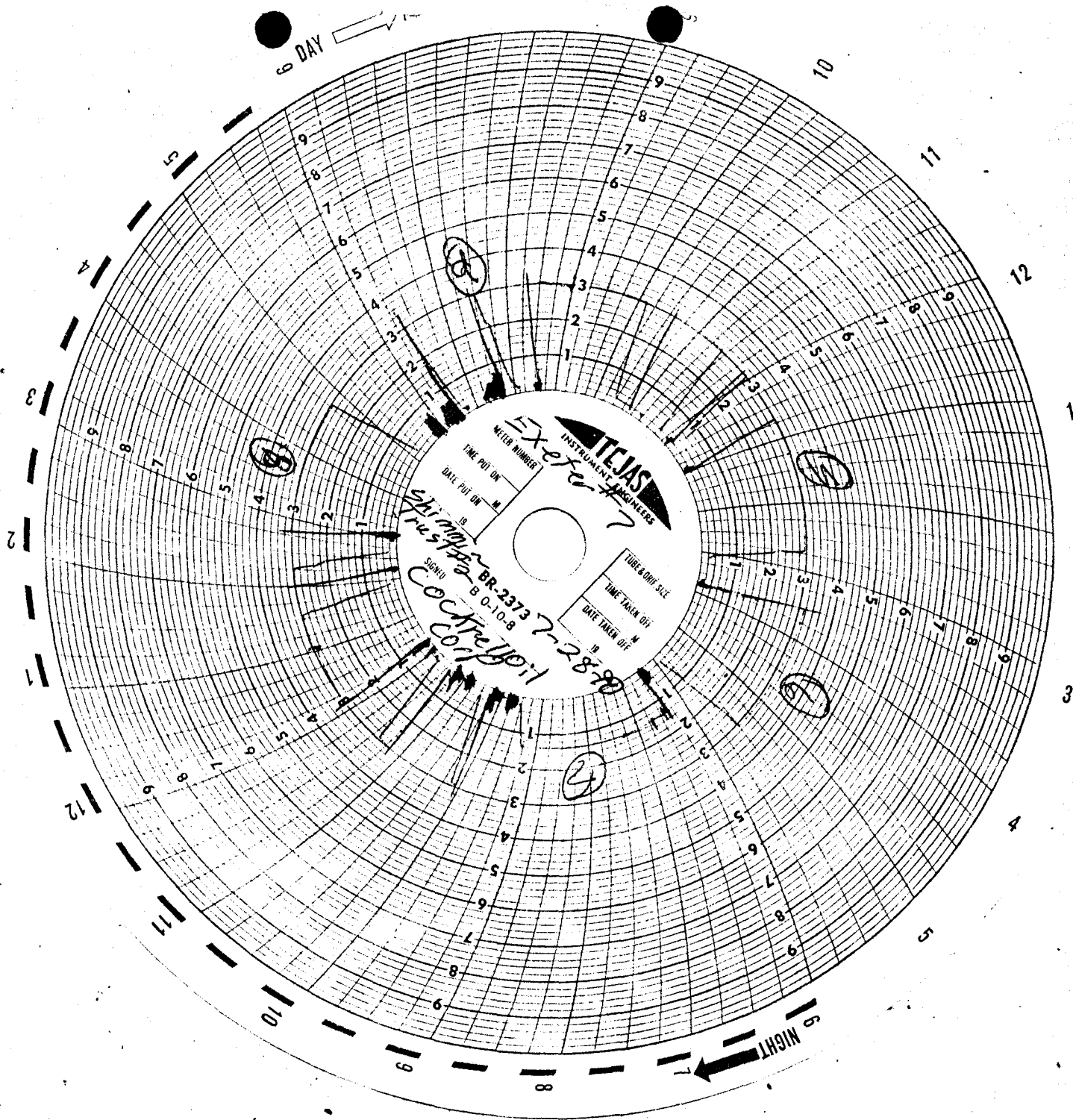
OIL AND GAS	
DFN	RJF
JRB	GLH
DTS	SLS
1-JLT	
2-	MICROFILM ✓
3-	FILE

QUICK TEST INC.
OFFICE (801) 789-8159

Cockrell Oil Corp.
Shimmin Trust #2
7-28-90

TEST #	ITEM TESTED	PRESSURE	MIN. HELD	RESULTS
1	Dart valve	3000	10	No visible leaks
2	Upper Kelly	3000	10	No visible leaks
3	TIW	3000	10	Lost 100 PSI in 10 min. Worked valve.
	Retest	3000	10	No test, replaced TIW valve with used one.
4	TIW	3000	10	No visible leaks
5	Pipe Rams, 1st choke, 1st kill	3000	-	Leaked. Tighten Flanges
	Retest	3000	10	No visible leaks
6	Pipe Rams, 2nd kill, HCR	3000	10	No visible leaks
7	Hydril	1500	10	No visible leaks
8	Blind Rams, choke manifold	3000	10	No visible leaks
9	Choke manifold, manueal choke	3000	10	No visible leaks
10	Choke manifold	3000	10	No visible leaks
11	Choke manifold	3000	10	No visible leaks
12	Casing	2500	10	No visible leaks

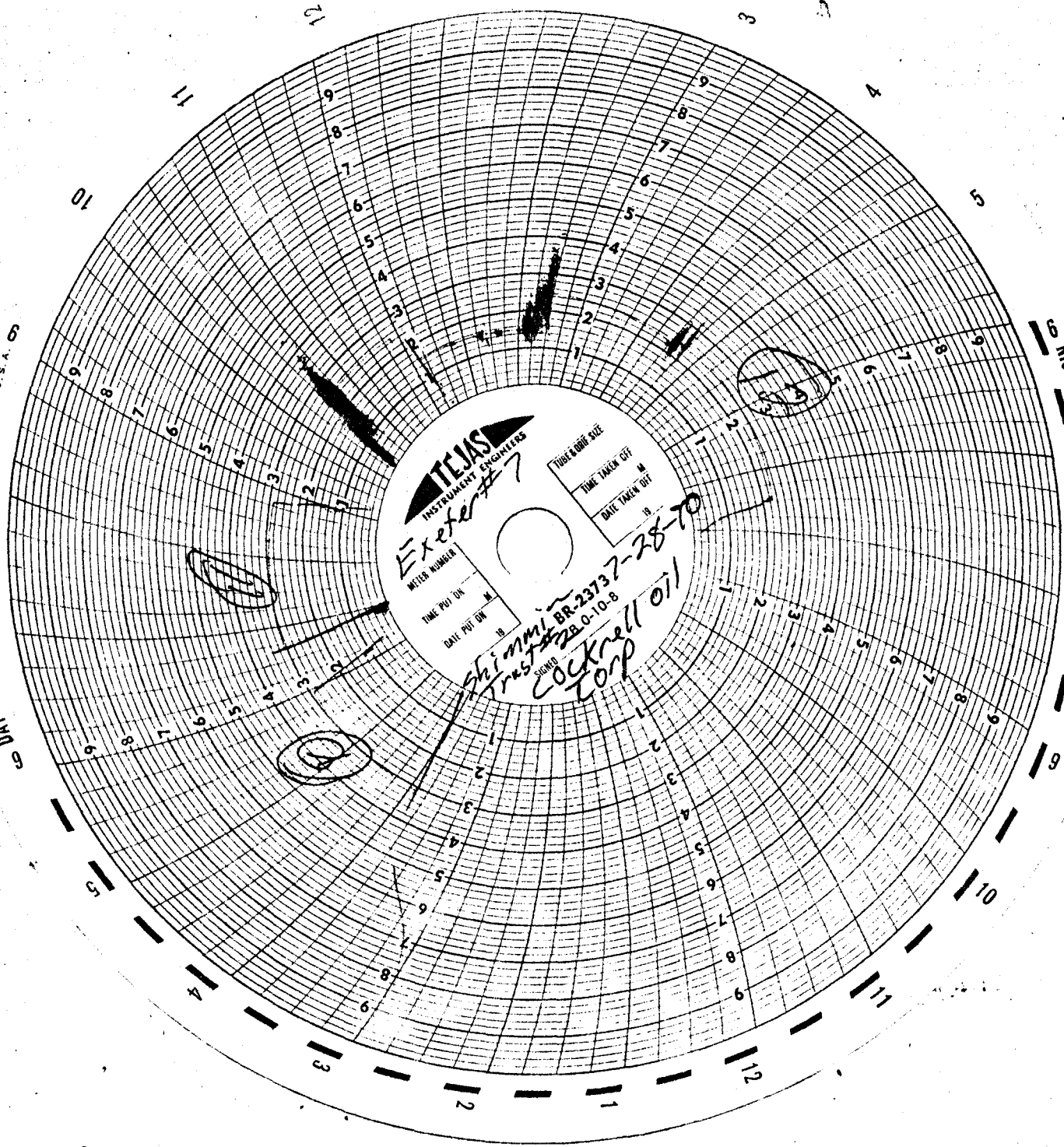




PRINTED IN U.S.A.

DAY

NIGHT



TEXAS
INSTRUMENT ENGINEERS
Exeter 7

METER NUMBER

TIME PUT ON

DATE PUT ON

TUBE BORE SIZE

TIME TAKEN OFF

DATE TAKEN OFF

Shimmi BR-23737-28-70
Trust 28-0-10-8
Cockrell Oil



DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

Norman H. Bangerter
Governor

Suzanne Dandoy, M.D., M.P.H.
Executive Director

Kenneth L. Alkema
Director

288 North 1460 West

P.O. Box 16690

Salt Lake City, Utah 84116-0690

(801) 538-6121

August 8, 1990

RECEIVED
AUG 09 1990

DIVISION OF
OIL, GAS & MINING

Mr. William R. Smith, P.E.
6920 South Prince Way
Littleton, CO 80120

Re: Cockrell Oil Corporation's Coal-Bed
Methane Project Shimmings Trust Lease

Dear Mr. Smith:

I received on July 20, 1990 information submitted as part of the UPDES application for your proposal on construction of sediment ponds for treatment of water produced in the referenced coal-bed methane recovery project.

Based upon review of water pollution control regulations and discussions with Mr. Gil Hunt of the Division of Oil, Gas and Mining (DOGM), I have determined that the project falls within DOGM regulations governing produced water, a ground water discharge construction permit will not be required. Adequate freeboard and a method for separation of oil and grease from discharge water at the pond outlets is recommended to be provided. The notification on the UPDES application is expected by the middle of the month.

If you have any questions, please contact me at (801) 637-3671.

Sincerely,

for David R. Ariotti

David R. Ariotti, P.E.

Southeast District Engineer

Utah Division of Environmental Health

DRA:rvg

cc: Kiran Bhayani, Water Pollution Control
Larry Mize, Water Pollution Control
Steve McNeal, Water Pollution Control
Gil Hunt, Division of Oil, Gas and Mining

N:cockrell.ltr

DIVISION OF OIL, GAS AND MINING

API NO. 43-007-30121

SPUDDING INFORMATION

NAME OF COMPANY: COCKRELL OIL CORPORATION

WELL NAME: SHIMMIN TRUST #2

SECTION SENE 14 TOWNSHIP 12S RANGE 10E COUNTY CARBON

DRILLING CONTRACTOR EXETER

RIG # 7

SPUDDED: DATE 7/6/90

TIME 4:00 p.m.

HOW ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY BILL ELLIOTT

TELEPHONE # 637-8880

OIL AND GAS	
DPN	RJF
JTB	GLH
PLS	SLS
TAS	
LCR <i>[Signature]</i>	
MICROFILM <input checked="" type="checkbox"/>	
3 FILE	

DATE 7/11/90 SIGNED TAS

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
BOPE TEST INSPECTION FORM

COMPANY: Cockrell Oil Corp REPRESENTATIVE: Bill Elliott
WELL NAME: Shimmin Trust #2 API# 43-007-3012P
QTR/QTR SE/SE SECTION 11 WELLSIGN TWP 12S RANGE 10E
INSPECTOR: John BERRIER DATE: 7-27-90
DRILLING CONTRACTOR Exeter RIG # 7
RIG OPERATIONS: Rig up.
DEPTH Land @ 638' ± LAST CASING 8 5/8 @ 638
TEST BY Quick Test Inc WATER ✓ MUD
PRESSURE RATING OF STACK 3000 H2S RATED
TEST PRESSURES 3000 KELLYCOCK: UPPER 3000 LOWER No
INSIDE BOP FULL OPENING VALVE ON FLOOR yes
WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR yes
STACK - LISTED AS ARRANGED - TOP TO BOTTOM:

1. Drilling head
2. Annular - Tested to
3. Rams - Blind
4. Rams - Pipe
5. Spool - Kill Line & HCR Valve
6.

ADDITIONAL COMMENTS: Pushover Dong Grindals

REPORTED BY: Bill ELLIOTT PHONE: 637-2131
DATE: 7-28-90 SIGNED: John BERRIER

(IF TESTED BY INDEPENDENT COMPANY, ATTACH COPY OF TEST)

STATE OF UTAH
DIVISION OF OIL, GAS AND MININGRECEIVED
AUG 10 1990

CASE REGISTRATION & SERIAL NO.

11096

IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Coalbed Methane Test Well		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Cockrell Oil Corporation		8. FARM OR LEASE NAME Shimmin Trust	
3. ADDRESS OF OPERATOR 1600 Smith, Suite 4600, Houston, Tx 77002-7348		9. WELL NO. 2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FNL, 800' FEL At proposed prod. zone		10. FIELD AND POOL, OR WILDCAT Wildcat	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SENE S14, T12S, R10E		12. COUNTY Carbon	
13. STATE Utah		14. API NO. 43-007-30121	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7546' Gr.		16. COUNTY Carbon	

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Monthly Report</u>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION <u>Not yet completed</u>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Spudded well on 7/9/90. Ran 8-5/8" casing 23# WC-50 ST&C on 7/14/90. Set @ 623.78'. One week delay in drilling operations. Waiting on rig. Rig moved in on 7/27/90. As of 7/31/90 reached TD of 2526'. Now drilling ahead.

OIL AND GAS	
DFN	RJF
JPB	GLH
DIS	SLS
1-DME	
2	MICROFILM
3	F&E

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Geologist

DATE

August 3, 1990

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

Quick Test
Nipple Up Service
B.O.P. Testing

2512 North 500 East • Vernal, Utah 84078
Office (801) 789-8159

BILLING TICKET
No. **2540**

MICROFICHE

RENTED TO Cockrell Oil Corp NO. _____
1600 Smith, Suite 4600, Houston TX. 77002-3348 DATE 7 28 90
ORDERED BY _____ LEASE Shimmin Trust WELL NO. 2

Rental begins when tools leave our warehouse and continues until returned thereto. Rental day starts at midnight and part day shall be charged as full day.

TRANSPORTATION — ROUNDTrip TO AND FROM JOBSITE 160 MILES @ \$ 1.00 per mile \$ 160.00

Portable BLOWOUT PREVENTER PRESSURE TESTING SERVICE:

SET UP CHARGE 8 Hr. Min. \$ 700.00

HOURLY RATE - TOTAL TIME ON LOCATION _____ Hrs @ _____ \$ _____

Items Tested:

<u>Pipe</u> rams to <u>3000</u> #	Csg. to <u>2300</u> #	Choke Manifold <u>3000</u> #
<u>Blind</u> rams to <u>3000</u> #	Hydril B O P to <u>1500</u> #	Upper Kelly Cock <u>3000</u> #
_____ rams to _____ #	Choke Line <u>3000</u> #	Lower Kelly Cock <u>3000</u> #
_____ rams to _____ #	Inside B.O.P. <u>3000</u> #	Safety Valve <u>3000</u> #

OTHER: _____

TEST SUBS: _____ Conn. Size _____ @ \$ _____ each. \$ _____

PLUGS: TYPE _____ SIZE _____ @ \$ _____

PACKER: SIZE _____ @ \$ _____

CHEMICALS: _____ @ \$ _____

SECTION: 14

TOWNSHIP: 12S

RANGE: 10E

COUNTY: CARBON UTAH

CHARGE TO:

☒ OPERATOR Cockrell Oil Corp.

() CONTRACTOR Exeter RIG # 7

SUB TOTAL 860.00

% TAX _____

BILLING ADDRESS:

TOTAL --- \$ 860.00

TERMS NET CASH — NO DISCOUNT. (PRICES SUBJECT TO CHANGE WITHOUT NOTICE): Terms and Conditions Under Which Tools and Other Equipment Are Rented:

Lessor exercises precautions to keep its tools and other equipment in good condition. All tools and other equipment rented from Lessor is used at Lessee's sole risk. Lessee agrees that Lessor shall not be liable for any damages for personal injuries to any persons or for any damage to Lessor's property or the property of other persons that may be caused by any of such tools or other equipment, or that may be caused by its failure during use, and Lessee hereby agrees to hold harmless and indemnify Lessor against all persons for all personal injuries and/or property damage. Well conditions which prevent satisfactory operation of equipment do not relieve Lessee of his responsibility for rental charges. Lessee assumes all responsibility for equipment while out of possession of the Lessor and promises to return such equipment to the Lessor in as good condition as it was at the effective date of the lease, natural wear and tear from reasonable use thereof excepted. All equipment lost or damaged beyond repair will be paid for by the Lessee at the market price and all damaged equipment which can be repaired will be repaired and the repairs paid for by the Lessee. Accrued rental charges cannot be applied against the purchase price or cost of repairs of such damaged or lost equipment. All transportation charges must be borne by the Lessee. Rental begins when equipment leaves Lessor's yard and continues until returned thereto. ALL TOOLS AND EQUIPMENT SHALL REMAIN the sole property of Lessor. This lease is made and shall be effective when the equipment is delivered to the carrier selected by the Lessee.

TERMS: Net Cash - No Discount. All charges are due and payable at the office of Lessor in Vernal, Utah on the 20th of the month following date of invoice. Interest will be charged at the rate of 18% or maximum allowed by law. Interest charged after 60 days from date of invoice.

We Appreciate Your Business

Rick Batchelor
DELIVERED BY:

By:

Barclay
OWNER OR OWNER'S REPRESENTATIVE

ENTITY ACTION FORM

OPERATOR Cockrell Oil Corporation
ADDRESS 1600 Smith Street Suite 4600
Houston, Texas 77002OPERATOR ACCT. NO. N 1035RECEIVED
JUL 18 1990

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE															
					QQ	SC	TP	RG	COUNTY																	
A	99999	11096	43-007 30120	Shimmin Trust Well #1	SE	SE	11	12S	10E	Carbon	6/30/90															
WELL 1 COMMENTS: First well on lease Fee-Lease Proposed Zone-murB Field-Wildcat (operator rep. 7-18-90 wells 1-5 will most likely share the same #) Unit-N/A																										
B	99999	11096	43-007 30121	Shimmin Trust Well #2	SE	NE	14	12S	10E	Carbon	7/9/90															
WELL 2 COMMENTS: Second well on lease Fee-Lease Proposed Zone-murB Field-Wildcat Unit-N/A																										
WELL 3 COMMENTS:																										
<table border="1"><thead><tr><th colspan="2">OIL AND GAS</th></tr><tr><th>DFN</th><th>RJF</th></tr><tr><th>JFB</th><th>GLH</th></tr><tr><th>DIS</th><th>SIS</th></tr></thead><tbody><tr><td>1-11096</td><td>For</td></tr><tr><td>2</td><td>MICROFILM</td></tr><tr><td>3</td><td>FILE</td></tr></tbody></table>													OIL AND GAS		DFN	RJF	JFB	GLH	DIS	SIS	1-11096	For	2	MICROFILM	3	FILE
OIL AND GAS																										
DFN	RJF																									
JFB	GLH																									
DIS	SIS																									
1-11096	For																									
2	MICROFILM																									
3	FILE																									
WELL 4 COMMENTS:																										
WELL 5 COMMENTS:																										

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

[Signature]
Signature
Geologist
Title
7/12/90
Date
Phone No. (713) 651-1271

STATE OF UTAH
DIVISION OF OIL, GAS AND MININGRECEIVED
SEP 10 1990

1. CASE DESIGNATION & SERIAL NO. 11096	
2. INDIAN, ALLOTTEE OR TRIBE NAME	
3. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	
4. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Coalbed Methane	5. DIVISION OF OIL, GAS & MINING
6. NAME OF OPERATOR Cockrell Oil Corporation	7. UNIT AGREEMENT NAME
8. ADDRESS OF OPERATOR 1600 Smith, Suite 4600, Houston, Tx 77002	9. FARM OR LEASE NAME Shimmin Trust
10. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FNL, 800' FEL At proposed prod. zone	11. WELL NO. 2
	12. FIELD AND POOL, OR WILDCAT Wildcat
	13. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SENE S14, T12S, R10E
14. API NO. 43-007-30121 DRL	15. ELEVATIONS (Show whether DF, RT, GR, etc.)
	16. COUNTY Carbon
	17. STATE UT

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Monthly Report

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

APPROX. DATE WORK WILL START

DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Drl'd & surveyed to 4650'. Circ out and POOH. Layed down DP. RU and ran 5 1/2" csg on 8/19/90. Set at 4650'. Circ and cemented. ND BOP's. Set slips on 5 1/2" csg. Rig released 8/20/90.

OIL AND GAS	
DFN	RJF
JPB	GLH
DIB	SLS
1. Done	
2. MICROFILM	
3. FILE	

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Geologist

DATE

9/5/90

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.
11096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other ☒ ~~Oilfield Methane~~

2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

3. NAME OF OPERATOR
Cockrell Oil Corporation

4. ADDRESS OF OPERATOR

1600 Smith Street, Suite 4600, Houston, Tx 77002

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1980' FNL, 800' FEL

At top prod. interval reported below

At total depth

7. UNIT AGREEMENT NAME

8. NAME OR LEASE NAME

Shimmin Trust

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SENE S4 - T12S - R10E

14. API NO.

43-007-30121

DATE ISSUED

6-13-90

12. COUNTY

Carbon

13. STATE

Utah

15. DATE SPUDDED

7/9/90

16. DATE T.D. REACHED

8/19/90

17. DATE COMPL. (Ready to prod.)

*

(Plug & Abd.)

18. ELEVATIONS (DP, BEE, RT, GR, ETC.)

7546' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

4650'

21. PLUG BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIGL - SDDSNL - HRSD - MICRO

27. WAS WELL CORED YES ☐ NO ☐ (Submit analysis)
DRILL STEM TEST YES ☐ NO ☐ (See reverse side)

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	MOLE SIZE	CEMENTING RECORD	AMOUNT FULLED
8-5/8"	23#	624'	12-1/4"	450 sx Prem +	95 Bbls
5-1/2"	17#	4650'	7-7/8"	1st Stage: 340 sx 50/50 Poz	71 Bbls
				2nd Stage: 200 sx Silica Hifill fol	
				w/30 sx 50/50 Poz	165 Bbls

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Geologist

DATE

10/10/90

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or interval(s), top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.			38. GEOLOGIC MARKERS														
Formation	Top	Bottom	Description, contents, etc.	Name	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Meas. Depth</th> <th style="width: 50%;">True Vert. Depth</th> </tr> <tr> <td>Surface</td> <td>150'</td> </tr> <tr> <td>150'</td> <td>2648'</td> </tr> <tr> <td>2648'</td> <td>3128'</td> </tr> <tr> <td>3128'</td> <td>3387'</td> </tr> <tr> <td>3387'</td> <td>TD</td> </tr> </table>	Meas. Depth	True Vert. Depth	Surface	150'	150'	2648'	2648'	3128'	3128'	3387'	3387'	TD
Meas. Depth	True Vert. Depth																
Surface	150'																
150'	2648'																
2648'	3128'																
3128'	3387'																
3387'	TD																
Castlegate	3128'	3387'	Sandstone & shale Sands are tight. ± 10% porosity.	Flagstaff North Horn Price River Castlegate Blackhawk													

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED

NOV 16 1990

5. LEASE DESIGNATION & SERIAL NO.

11096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

DIVISION OF
SUNDRY NOTICES AND REPORTS ON WELLS GAS & MINING
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shimmin Trust

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SENE S4-T12S-R10E

14. API NO.

43-007-30121

15. ELEVATIONS (Show whether OF, RT, GR, etc.)

7546' GR

12. COUNTY

Carbon

13. STATE

Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

FULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

REPAIRING WELL

☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Monthly Report

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

APPROX. DATE WORK WILL START

DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Perf'd 4264'-76' w/4 SPF on 10/2/90. Frac'd well on 10/4/90. Set retrievable Bridge Plug at 4242'. Perf'd 4196'-4205' w/6 SPF on 10/5/90. Frac'd well on 10/6/90. Retrieved Howco Bridge Plug. Swabbed hole clean. Now waiting on pumping unit.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Geologist

DATE

11/12/90

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION & SERIAL NO.
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Coalbed Methane Test Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Cockrell Oil Corporation	7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1600 Smith Street, Suite 4600	8. FARM OR LEASE NAME Shimmin Trust	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FNL, 880' FEL At proposed prod. zone 800'	9. WELL NO. 2	
10. FIELD AND POOL, OR WILDCAT Wildcat		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA SE NE 5/4 - T12S - R10E
14. API NO. 43-007-30121	13. ELEVATIONS (Show whether OF, RT, GR, etc.) 7546' GR	12. COUNTY Carbon
		13. STATE Utah
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data		
NOTICE OF INTENTION TO:		
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	
(Other) <input type="checkbox"/>		
APPROX. DATE WORK WILL START _____		
SUBSEQUENT REPORT OF:		
WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	
(Other) <u>Monthly Report</u>		
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		
DATE OF COMPLETION _____		
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)		

* Must be accompanied by a cement verification report.

Waiting on pumping unit. Well shut in

18. I hereby certify that the foregoing is true and correct

SIGNED

B. E. WEICHMAN

TITLE

Geologist

DATE

12-5-90

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG										5. LEASE DESIGNATION AND SERIAL NO. 11096	
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/> Gas Well										6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
1b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/> Recompletion										7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Cockrell Oil Corporation										8. PART OR LEASE NAME Shimmin Trust	
3. ADDRESS OF OPERATOR 1600 Smith Street, Suite 4600, Houston, Tx. 77002										9. WELL NO. 2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1980' FNL, 800' FEL At top prod. interval reported below At total depth										10. FIELD AND POOL, OR WILDCAT Wildcat	
11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA S14 SENE S4 - T12S - R10E										12. COUNTY Carbon	
13. DATE SPUDDED 7/9/90										13. STATE Utah	
14. DATE T.D. REACHED 8/19/90										14. DATE ISSUED 6-13-90	
15. DATE COMPL. (Ready to prod.) 12/21/90 (Plug & Abol.)										15. ELEVATIONS (OF, RES. ST. CR, ETC.) 7546' GR	
16. TOTAL DEPTH, MD & TVD 4650'										16. IF MULTIPLE COMPL. HOW MANY	
17. PLUG BACK T.D., MD & TVD										17. INTERVALS DRILLED BY	
18. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) See Attached Sheet										18. ROTARY TOOLS	
19. WAS DIRECTIONAL SURVEY MADE										19. CABLE TOOLS	
20. TYPE ELECTRIC AND OTHER LOGS RUN DIGL - SDDS NL - HRSD - MICRO 4-12-91 ACOUSTIC CBL										20. WAS WELL CORED YES <input type="checkbox"/> NO <input type="checkbox"/> (Submer analysis) DRILL STEM TEST YES <input type="checkbox"/> NO <input type="checkbox"/> (See reverse side)	
21. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		MOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
8-5/8"		23#		624'		12-1/4"		450 sx Prem +		95 Bbls	
5-1/2"		17#		4650'		7-7/8"		1st Stage: 340 sx 50/50 Poz		71 Bbls	
								2nd Stage: 200 sx Silica Hifill fol		165 Bbls	
								w/30 sx 50/50 Poz			
22. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT		SCREEN (MD)		PACKETS SET (MD)	
23. TUBING RECORD											
SIZE		DEPTH SET (MD)		PACKETS SET (MD)							
24. PERFORATION RECORD (Interval, size and number)											
See Attached Sheet											
25. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.											
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED							
				SEE ATTACHED SHEET							
26. PRODUCTION											
DATE FIRST PRODUCTION 12-21-90		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 2 1/2" Tubing Pump						WELL STATUS (Producing or shut-in) Producing Water			
DATE OF TEST 12-21-90		SOURS TESTED 12		CHOKER SIZE Open		PROG'D. FOR TEST PERIOD →		OIL—BSL. -0-		GAS—MCF. -0-	
FLOW, TUBING PRMS. -0-		CASING PRESSURE -0-		CALCULATED 24-HOUR RATE →		OIL—BSL. -0-		GAS—MCF. -0-		WATER—BSL. 343	
										OIL GRAVITY-API (CORR.) 686	
27. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)											
TEST WITNESSED BY											
28. LIST OF ATTACHMENTS											
29. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED B. F. Weichman		TITLE Geologist						DATE 1/10/91			
See Spaces for Additional Data on Reverse Side											

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:			38. GEOLOGIC MARKERS			
Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.						
Formation	Top	Bottom	Description, contents, etc.	Name	Meas. Depth	True Vert. Depth
Castlegate	3128'	3387'	Sandstone & shale Sands are tight. $\pm 10\%$ porosity.	Flagstaff North Horn Price River Castlegate Blackhawk	Surface 150' 2648' 3128' 3387'	150' 2648' 3128' 3387' TD



COCKRELL OIL
CORPORATION

1600 SMITH • SUITE 4600 • HOUSTON, TEXAS 77002-7348
TELEPHONE 713/651-1271

April 9, 1991

CERTIFIED MAIL

State of Utah
Department of Natural Resources
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Shimmin Trust Well No. 2
Carbon County, Utah

Attention: Vicki Carney

Gentlemen:

Enclosed for your records are the following logs as required by the Department of Natural Resources. The Completion Report has already been filed. I am requesting that these logs remain in the "confidential" status for the maximum amount of time.

Dual Induction Guard Log
Spectral Density Dual Spaced Neutron Log
Acoustic Cement Bond Log
MICRO Log

Thank you for your assistance in this matter.

Yours very truly,

Neil Henley
Engineer

NH:ys
Enclosures

RECEIVED

APR 12 1991

DIVISION OF
OIL GAS & MINING



State of Utah
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

Norman H. Bangerter
Governor

Suzanne Dandoy, M.D., M.P.H.
Executive Director

Kenneth L. Alkema
Director

288 North 1460 West
P.O. Box 16690
Salt Lake City, Utah 84116-0690
(801) 538-6121

RECEIVED

MAY 28 1991

May 17, 1991

DIVISION OF
OIL GAS & MINING

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Mr. Ben Weichman
Cockrell Oil Corporation
1600 Smith, Suite 4600
Houston Texas 77002-7348

Shimmin Trust # 3
" " 1
" " 2
" " 5
" " 4

API Sec. 14, T. 12S, R. 10E

49-007-30119
3 - 30120
- 30121
- 30122
- 30123

COPIES SENT TO	
5-29-91	
FRM	
GLH	

RE: Cockrell Oil Corporation
UTG070036

Dear Mr. Weichman:

We have reviewed the information on the coalbed methane pilot wells submitted April 3, 1991. We remain concerned that the continued discharge of more than one (1) ton of salt per day at concentrations averaging more than 5000 mg/L do not reflect the information represented by your Company in the NOI.

We find the salinity study incomplete because there is no recommended action or costs of alternative plans. The discharge of two tons of salt per day exceeds the Colorado River Basin Salinity Control Forum's policy and could during times of surface runoff reach the Colorado River. Furthermore, our Ground Water Protection Section has reviewed the report and are concerned about the local ground water impacts of the well discharges. Seepage of this quality of water from the ponds and into dry washes appears to have potential to cause adverse effects upon ground water quality believed to have a total dissolved solid (TDS) concentration of approximately 600-800 mg/L.

Therefore, in accordance with Part I Section B5c it is determined that the conditions have changed so the discharge no longer qualifies for coverage by the general permit. Cockrell Oil Corporation is hereby required to apply for an individual discharge permit by June 30, 1991 if the discharge is to continue beyond that date. The application must also include additional salinity information specified by the Forum policy such as the recommended plan for reduction of the salt discharge. When an individual permit is issued the general permit coverage for these discharges will be automatically terminated.

In addition to the monthly TDS sampling currently required we request that Cockrell Oil:

Mr. Ben Weichman

Page 2

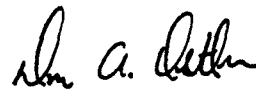
May 18, 1991

1. Within 7 days submit a plan and begin implementation of reducing the total TDS discharge to less than one ton per day as soon as possible as per the permit section III D. Duty to Mitigate or show cause why the discharges cannot be reduced and that there is no adverse impact.
2. Submit within 30 days a plan and schedule to eliminate the discharge as soon as possible of TDS greater than 720 mg/L from pond seepage and discharges to dry washes. This might include containment, reinjection, reverse osmosis, etc. An alternative might be to pipe the discharge to a stream segment with sufficient flow dilution.
3. Beginning the second quarter of 1991 perform quarterly replacement static acute tests of a representative outfall for Ceriodaphnia sp and fathead minnows in general accordance with procedures set out in the latest revision of Methods of Measuring the Acute Toxicity of Effluent to Freshwater and Marine Organisms. If a sample is found to be acutely toxic (50% or more mortality at any concentration) in a routine test, the whole effluent testing frequency for that discharge shall be weekly as per the enclosed accelerated testing and pattern of toxicity. We also are enclosing the requirements for a Preliminary Toxicity Investigation in the event that becomes necessary.
4. Sample each discharge monthly for total iron and submit the analysis with the TDS data on a monthly basis.
5. Resample discharge 001 for total lead and report the result within 30 days.

If you have any questions regarding the information requested, you should contact Steven McNeal of this office at (801) 538-6146.

Sincerely,

Utah Water Pollution Control Committee



Don A. Ostler, P.E.
Executive Secretary

Enclosure

FCP:SRM:st

cc: Division of Oil, Gas & Mining
Southeastern Utah District Health Department
District Engineer
EPA Region VIII, Water Management

S:WEICHMAN.LTR
FILE:UPDES

TEMPORARY

RECEIVED

RECEIVED

Rec. by

Fee Rec.

Receipt #

Microfilmed

Roll #

NOV 13 1991

OCT 28 1991

OCT 21 1991

DIVISION OF
OIL GAS & MININGFILING FOR WATER IN THE
STATE OF UTAH

APPLICATION TO APPROPRIATE WATER

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements to Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

*WATER RIGHT NO. 91 - 4819

*APPLICATION NO. A T65703

1. *PRIORITY OF RIGHT: October 21, 1991 *FILING DATE: October 21, 1991

2. OWNER INFORMATION

Name(s): Cockrell Oil Corporation

*Interest: _____ %

Address: 1600 Smith Suite 4600

City: Houston

State: Texas

Zip Code: 77002

Is the land owned by the applicant? Yes _____ No ☒ (If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER:

Existing Underground _____ cfs and/or 3.0 ac-ft.

4. SOURCE: Exploratory Wells

*DRAINAGE: _____

which is tributary to _____

which is tributary to _____

POINT(S) OF DIVERSION:

COUNTY: Carbon

See Attachment #1

Description of Diverting Works: 5½ inch casing, 4425 ft. to 4667 ft. deep

*COMMON DESCRIPTION: 10 miles NE of Helper

Matts Summit Quad

5. POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point:

N. 550 ft. & E. 1950 ft. from SW Cor. Sec. 11, T12S, R10E, SLB&M.

Description of Diverting Works: Portable pump to tank truck

6. POINT(S) OF RETURN

The amount of water consumed will be _____ cfs or 3.0 ac-ft.

The amount of water returned will be _____ cfs or _____ ac-ft.

The water will be returned to the natural stream/source at a point(s): _____

7. STORAGE

Reservoir Name: See Attachment #1 Storage Period: from _____ to _____

Capacity: _____ ac-ft. Inundated Area: _____ acres.

Height of dam: _____ feet

Legal description of inundated area by 40 acre tract(s): _____

* These items are to be completed by the Division of Water Rights

Appropriate

8. List any other water rights which will supplement this application _____

9. NATURE AND PERIOD OF USE

Irrigation:	From _____	to _____
Stockwatering:	From _____	to _____
Domestic:	From _____	to _____
Municipal:	From _____	to _____
Mining:	From _____	to _____
Power:	From _____	to _____
Other:	From <u>Oct. 5, 1991</u>	to <u>May 31, 1992</u>

10. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining: _____ Mining District in the _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Drilling of coalbed methane wells and a water disposal well,
Road Construction and Maintenance.

11. PLACE OF USE

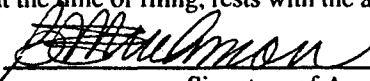
Legal description of place of use by 40 acre tract(s): See Attachment #2

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of the same size if necessary):

Cockrell intends to drill the wells mentioned in Attachment #2 and requests permission to use the water produced from the 5 Shimmin Trust Wells for this purpose. The water is produced with methane gas from Mesaverde coals. This water is not tributary to any stream system; but, is confined in the coal beds until produced. Cockrell has leased the right for this operation from the owner.
Supplemental with Temporary Change Application #t91-91-09.

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).



Signature of Applicant(s)*
B. E. Weichman, Special Projects Manager

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its authorized agent, or in the name of the partnership by one of the partners.

Authorized Agent (please print)

Authorized Agent (signature)

Attachment #1

Attachment to
APPLICATION TO APPROPRIATE WATER

Owner: Cockrell Oil Corporation
1600 Smith - Suite 4600
Houston, Texas 77002-7348
Phone: (713) 651-1271

Item #4

1. Shimmin Trust #1 located 793 feet from the south line and 780 feet from the east line of Sec. 11, T12S, R10E. Drilled to a depth of 4,667 feet with 5-1/2" casing set to total depth.
2. Shimmin Trust #2 located 1980 feet from the north line and 800 feet from the east line of Sec. 14, T12S, R10E. Drilled to a depth of 4,650 feet with 5-1/2" casing set to total depth.
3. Shimmin Trust #3 located 1980 feet from the north line and 1780 feet from the west line of Sec. 14, T12S, R10E. Drilled to a depth of 4,425 feet with 5-1/2" casing set to total depth.
4. Shimmin Trust #4 located 540 feet from the south line and 1900 feet from the west line of Sec. 11, T12S, R10E. Drilled to a depth of 4,631 feet with 5-1/2" casing set to total depth.
5. Shimmin Trust #5 located 660 feet from the north line and 2340 feet from the east line of Sec. 14, T12S, R10E. Drilled to a depth of 4,485 feet with 5-1/2" casing set to total depth.

43-007-30120

43-007-30121

43-007-30119

43-007-30123

43-007-30122

Item #7

Water will be in temporary storage in pits at each well location as shown on the attached plat. Pits have been approved by the Oil and Gas Conservation Commission and vary in size with average size being 1,160 barrels or 48,720 gallons.

Date: October 1, 1991

Cockrell Oil Corporation

Attachment #2

Temporary Change Application
Number t91-91-09
Cockrell Oil Corporation
October 8, 1991

Proposed Well Locations
All locations in T12S, R10E, SLB&M:

- 1) 1210-0801: S. 415 ft. & W. 288 ft. from NE Cor. Sec. 8 (NE4NE4) 43-007-30127
- 2) 1210-0806: S. 2400 ft. & E. 1769 ft. from NW Cor. Sec. 8 (SE4NW4) 43-007-30121
- 3) 1210-0708: S. 2000 ft. & W. 600 ft. from NE Cor. Sec. 7 (SE4NE4) 43-007-30113
- 4) 1210-0907: S. 2000 ft. & W. 2050 ft. from NE Cor. Sec. 9 (SW4NE4) 43-007-30128
- 5) 1210-0313: N. 750 ft. & E. 650 ft. from SW Cor. Sec. 3 (SW4SW4) 43-001-30131
- 6) 1210-1204: S. 1100 ft. & E. 1200 ft. from NW Cor. Sec. 12 (NW4NW4) 43-001-30115
- 7) 1210-1304: S. 1150 ft. & E. 1200 ft. from NW Cor. Sec. 13 (NW4NW4) 43-001-30122
- 8) 1210-1504: S. 700 ft. & E. 500 ft. from NW Cor. Sec. 15 (NW4NW4) 43-007-30138
- 9) 1210-1609: N. 2000 ft. & W. 775 ft. from SE Cor. Sec. 16 (NE4SE4) 43-001-30115
- 10) 1210-1602: S. 700 ft. & W. 1900 ft. from NE Cor. Sec. 16 (NW4NE4) 43-007-30121
- 11) 1210-2302: S. 800 ft. & W. 1800 ft. from NE Cor. Sec. 23 (NW4NE4) 43-007-30131
- 12) 1210-2310: N. 2000 ft. & W. 1950 ft. from SE Cor. Sec. 23 (NW4SE4) 43-007-30115
- 13) 1210-2404: S. 1150 ft. & E. 1200 ft. from NW Cor. Sec. 24 (NW4NW4) 43-007-30122
- 14) 1210-2412: N. 2100 ft. & E. 475 ft. from SW Cor. Sec. 24 (NW4SW4) 43-007-30113

STATE ENGINEER'S ENDORSEMENT

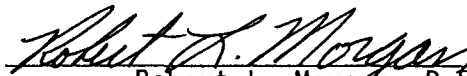
WATER RIGHT NUMBER: 91 - 4819

APPLICATION NO. T65703

1. October 21, 1991 Application received by JD.
 2. October 23, 1991 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated November 8, 1991, subject to prior rights and this application will expire on November 8, 1992.


Robert L. Morgan, P.E.
State Engineer



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY

Norman H. Bangerter
Governor
Kenneth L. Alkema
Executive Director
Don A. Ostler, P.E.
Director

288 North 1460 West
Salt Lake City, Utah
(801) 538-6146
(801) 538-6016 Fax

Reply to: State of Utah
Division of Water Quality
Department of Environmental Quality
Salt Lake City, Utah 84114-4870

September 24, 1991

Mr. Ben Weichman
Cockrell Oil Corporation
1600 Smith, Suite 4600
Houston, Texas 77002-7348

SHINNIN TRUST #1 43-007-30120
Sec. 11, T. 12S, R. 10E
#2 43-007-30121
Sec. 14, T. 12S, R. 10E
#3 43-007-30119
Sec. 14, T. 12S, R. 10E
#4 43-007-30123
Sec. 11, T. 12S, R. 10E
#5 43-007-30122 - Sec. 14
RE: UPDES Permit Application No. T. 12S, R. 10E
UT0025054

Dear Mr. Weichman:

This letter is to express our tentative decision in regard to the Cockrell Oil permit application for the Castlegate coalbed methane project. Although the original discharges were permitted by a general construction permit, the higher than expected total dissolved solids (TDS) has continued to concern us.

The July 16, 1991 sample analysis of 4804 mg/l indicates a concentration which would significantly degrade the receiving stream, particularly at low flow. According to the State's Antidegradation Policy, Utah Administrative Code (UAC) R448-8-2-3 "Waters whose existing quality is better than the established standards for the designated uses will be maintained at high quality unless it is determined by the [Board], after appropriate intergovernmental coordination and public participation in concert with the Utah continuing planning process, that allowing lower water quality is necessary to accommodate important economic or social development in the area in which the waters are located".

Furthermore, the Colorado River Basin Salinity Control Forum Intercepted Groundwater Policy provides the permitting authority the ability to waive or not to waive the "no salt" discharge requirement. This evaluation is made on a case-by-case basis, and considers the practicality of controlling, reducing or even eliminating the discharge of salt. Since the Company has prepared to drill an injection well, it is our determination that all of the water should be reinjected.

Therefore, we intend to not issue an individual permit and to terminate the general permit after providing you reasonable time to complete the injection well system. Your letter of August 28, 1991 states that the injection well should be completed before the end of 1991. If the disposal system is still scheduled to be completed by that time, we will proceed to public notice our intent to deny the individual permit and terminate the general permit at the end of the year. As an alternative, a less formal approach may be considered if you are in agreement with the above and

Mr. Ben Weichman

Page 2

September 24, 1991

wish to withdraw your individual permit application and inactivate coverage under the general permit at such time as the injection well is installed.

If you need to arrange a meeting to discuss this issue, please contact Steve McNeal of this office at (801) 538-6146.

Sincerely,

Utah Water Quality Board



Don A. Ostler, P.E.

Executive Secretary

DAO:SM:ja

cc: EPA Region VIII, Water Management
Southeastern Utah District Health Department
Division of Oil, Gas and Mining

S:BWICHMA.LTR



UJIAN
NATURAL RESOURCES
Ch. Gas & Mining

3 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, UT
180-1203, ©(801-538-5340)

Page 1 of 3

RECEIVED

Operator name and address:

COCKRELL OIL CORPORATION
1600 Smith, Suite 4600
Houston, TX 77002-7348

DEC 09 1991

DIVISION OF OIL GAS & MINING

Utah Account No. N1035

Report Period (Month/Year) 10/91Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
SHIMMIN TRUST #3							
4300730119	11096	12S 10E 14	MVRD	31	-0-	2,387	6,366
SHIMMIN TRUST #1							
4300730120	11096	12S 10E 11	MVRD	30	-0-	1,926	5,677
SHIMMIN TRUST #2							
4300730121	11096	12S 10E 14	MVRD	30	-0-	1,818	21,891
SHIMMIN TRUST #5							
4300730122	11096	12S 10E 14	MVRD	30	-0-	3,120	14,315
SHIMMIN TRUST #4							
4300730123	11096	12S 10E 11	MVRD	27	-0-	4,198	4,896
TOTAL					-0-	13,449	53,145

Comments (attach separate sheet if necessary) See Attachment "A" for gas tests

I have reviewed this report and certify the information to be accurate and complete. Date November 30, 1991

Authorized signature.

Telephone 713/651-1271

PLEASE COMPLETE FORMS IN BLACK INK

DATE 12/09/91

PRODUCTION INQUIRY SCREEN

MENU: OPTION 00

TWNSHP RANGE SC SPOT MD.

API

ZONE

STATUS

12.0 S 10.0 E 14 SENE S 43-007-30121 MVRD PGW

OPERATOR: N1035 : COCKRELL OIL CORPORATION

WELL NAME: SHIMMIN TRUST #2

ENTITY: 11096 : SHIMMIN TRUST 1,2,3,4,5

ACCT	ENTY	DAYS	OIL PROD	GAS PROD	WATER PROD	PERIOD
CUM THRU 12/31/90			0.00	0.00	5042.00	
N1035	11096	31	0.00	0.00	15138.00	91-01
N1035	11096	28	0.00	0.00	13860.00	91-02
N1035	11096	31	0.00	0.00	15831.00	91-03
N1035	11096	30	0.00	0.00	15848.00	91-04
N1035	11096	31	0.00	0.00	17738.00	91-05
N1035	11096	30	0.00	0.00	16625.00	91-06
N1035	11096	31	0.00	0.00	16671.00	91-07
N1035	11096	31	0.00	1919.00	16959.00	91-08
N1035	11096	27	0.00	2060.00	13432.00	91-09

YTD

0

3,979

142,102

OPTION: 13 PERIOD(YMM): 9100 API: 4300730121 ZONE: MVRD ENTITY: 10340



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY

Norman H. Bangerter

Governor

Kenneth L. Alkema

Executive Director

Don A. Ostler, P.E.

Director

288 North 1460 West

Salt Lake City, Utah

(801) 538-6146

(801) 538-6016 Fax

Reply to: State of Utah
Division of Water Quality
Department of Environmental Quality
Salt Lake City, Utah 84114-4870

December 11, 1991

Mr. Ben Weichman
Cockrell Oil Corporation
1600 Smith, Suite 4600
Houston, Texas 77002-7348

RE: Total Dissolved Solids Limit
UPDES No. UT0025054

Dear Mr. Weichman:

We have reviewed your letter of November 12, 1991 regarding the proposed reverse osmosis treatment and discharge to Willow Creek of less than one ton of salt per day. Although that level of discharge would satisfy one portion of the Colorado River Basin Salinity Control Forum (Forum) requirements, it might not comply with the State Antidegradation Policy cited in our September 24, 1991 letter. A review of the data for Willow Creek indicates that the average total dissolved solids (TDS) for Willow Creek is between 430 and 600 mg/l. The maximum TDS listed was 814 mg/l for the years reviewed.

EPA has determined the TDS effluent limits for similar coalbed methane wells for the Southern Ute Indian Reservation to be an average of 500 mg/l and maximum of 1000 mg/l. This level of treatment would comply with the Forum guidelines and the Antidegradation Policy. Therefore, a TDS limit of 500 mg/l yearly average and 1000 mg/l daily maximum could be proposed for the company discharge.

You have indicated in conversation that this level of treatment might not be economically feasible. As stated in the Antidegradation Policy, public participation and the Utah Water Quality Board approval would be needed to allow a higher effluent limit.

If you have any questions regarding that process, please contact Fred Pehrson, Branch Manager of this office at (801) 538-6146.

Sincerely,

Utah Water Quality Board

Don A. Ostler, P.E.
Executive Secretary

DAO:SRM:ja

cc: EPA Region VIII, Water Management
Southeastern Utah District Health Dept
Division of Oil, Gas & Mining

S:COCKRELL:T2

RECEIVED

DEC 16 1991

DIVISION OF
OIL GAS & MINING

July 21, 1992



State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attn: Frank Matthews

RECEIVED

JUL 22 1992

**DIVISION OF
OIL GAS & MINING**

RE: Shimmin Trust No. 2
Sec. 14, T-12S, R-10E
Carbon, Co., Utah

Dear Sir:

Please find enclosed in duplicate a Form 9; Sundry Notice for the above referenced well. The Sundry was prepared to reflect the intention to perform injection profile testing in the Spring Canyon Sands. A wellbore schematic and log strip have also been enclosed for your review. Once completed PG&E Resources will submit a subsequent report and all test results.

Your earliest approval will be greatly appreciated and should any additional information be required, please contact me at (214) 750-3988.

Sincerely,

Jim LaFevers
Supervisor
Regulatory Affairs

cc: Reg. File
Central File
W. L. Sutton

wp51\jl\shimform9.ltr

Form 97-
STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS			
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT— for such proposals			
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) Coalbed Methane		6. Lease Designation and Serial Number 11096	
2. Name of Operator Cockrell Oil Corporation		7. Indian Allottee or Tribe Name N/A	
3. Address of Operator 1600 Smith, Suite 4600, Houston, TX 77002		8. Unit or Communitization Agreement N/A	
4. Telephone Number 713/651-1271		9. Well Name and Number Shimmin Trust #2	
5. Location of Well Footage : 1980' FNL & 800' FEL QQ, Sec. T., R., M. : Section 14 - T12S - R10E		10. API Well Number 43-007-30121	
County : Carbon State : UTAH		11. Field and Pool, or Wildcat Wildcat	
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
<input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other _____		<input type="checkbox"/> Abandonment * <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off <input checked="" type="checkbox"/> Other <u>Change of Operator</u>	
Approximate Date Work Will Start _____		Date of Work Completion _____	
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.			

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Change Operator to:

PG&E Resources, Inc.
P. O. Box 25655
Dallas, Texas 75225

RECEIVED

JUN 23 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

(Use Only)

Title Special Projects Mgr Date 6/22/92

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

11096

7. Indian Allottee or Tribe Name

--

8. Unit or Communitization Agreement

--

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT— for such proposals.

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other (specify) CBM Well

9. Well Name and Number

Shimmin Trust #2

2. Name of Operator

PG&E Resources Company

10. API Well Number

43-007-30121

3. Address of Operator

5950 Berkshire Lane, Suite 600, Dallas, TX 75225

4. Telephone Number

(214) 750-3988

11. Field and Pool, or Wildcat

Wildcat

5. Location of Well

Footage : 1980' FNL & 800' FEL

County : Carbon

QQ, Sec. T., R., M. : Section 14 T-12S, R-10E

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Change of Operator _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised PG&E Resources Company has acquired the above named well from Cockrell Oil Corporation, 1600 Smith Street, Suite 4600, Houston, TX 77002-7348 as of July 1, 1992.

Bond coverage for this well will be provided by Bond No. 8063-38-07 and by Bond No. 8057-26-00

RECEIVED

JUL 10 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature Jim LaFevers



Title Reg. Affairs Super. Date

7/6/92

(State Use Only)

**STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING**

6. Lease Designation and Serial Number

11096

7. Indian Allottee or Tribe Name

--

8. Unit or Communitization Agreement

--

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT--- for such proposals

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other (specify)

CBM Well

2. Name of Operator

PG&E Resources Company

3. Address of Operator

5950 Berkshire Ln, Ste 600, Dallas, TX 75225

4. Telephone Number

214/750-3988

9. Well Name and Number

Shimmin Trust #2

10. API Well Number

43-007-30121

11. Field and Pool, or Wildcat

Wildcat

5. Location of Well

Footage : 1980' FNL & 800' FEL

County : Carbon

QQ, Sec. T., R., M. : Sec. 14, T-12S, R-10E

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**NOTICE OF INTENT**
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Perform step rate, fallout & stress testing</u> | |

Approximate Date Work Will Start Immediately upon DOGM approval.**SUBSEQUENT REPORT**
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- MIRU SERVICE UNIT. POOH w/rods & Tbg pump. NU BOP. Test tbg to 3000 PSI. Pull standing valve.
- PU Tbg. RIH, tag TD. POOH.
- RIH w/notched collar, bailer & tbg. Cleanout to PBTD. POOH.
- RU WL. Perforate 4575' w/2 shots. Perforate Spring Canyon sand from 4440' to 4528' w/3 1/8" csg. gun @ 2 SPF. Perforate 4390' w/2 shots.
- RIH well testers. Perform step rate test. SI for 48 hrs to obtain fall off test.
- RIH, move RBP to 4590', pkr to 4555'. Perform stress test on perms @ 4575'. Repeat.
- Move RBP to 4425'. Test to 2000 PSI. Set pkr @4370'. Perform Stress test on perms at 4390'. Repeat.
- RU WL. Set CIBP @ 4380'. Dump 10' Cmt on CIBP. Return to production.

*** APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 7-22-92BY: [Signature]** Attached Conditions***RECEIVED**

JUL 22 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature Jim LaFeversTitle Reg. Affairs Superv Date 7/2/92

(State Use Only)

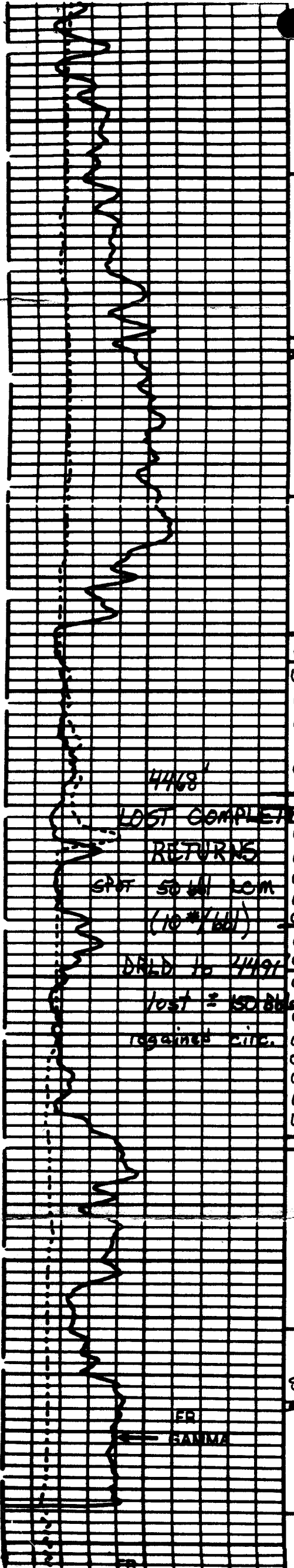
Utah Division of Oil, Gas and Mining

**Attachment to Sundry Notice and Report on Wells
dated July 21, 1992**

Subject: Request of PG & E Resources Company for permission to perform step rate, fallout and stress testing on the Shimmin Trust #2 well, sec. 14, T12S, R10E, Carbon County.

Conditions of Approval:

- 1) Prior to injecting, a representative sample of water for testing must be swabbed from the interval.
- 2) The water used for testing must be as good or better quality than that existing in the formation.
- 3) Results of testing must be provided to the Division.



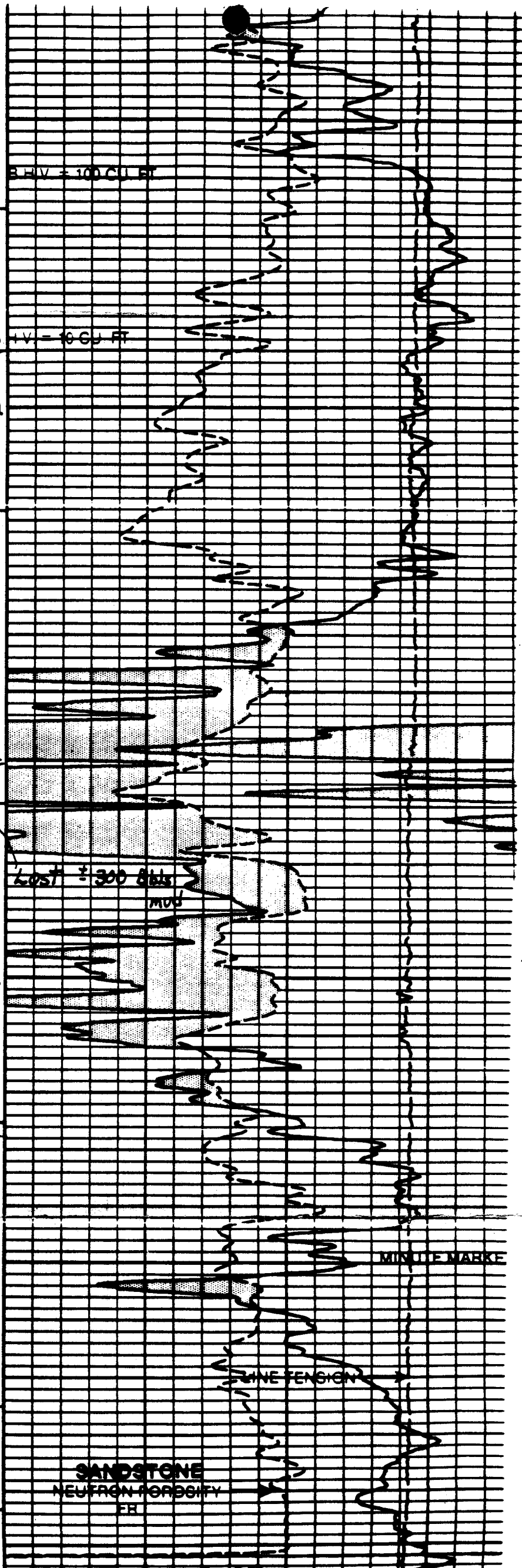
STRESS TEST 4400

STEP RATE & FALLOFF

4500

STRESS TEST

4600



BHV = 100 CU BT

BHV = 10 CU BT

STRESS TEST 4400

4500

4600

4400'

LOST COMPLETE RETURNS

SPOT 50 W/ 20M

(10 #/60)

DRLD to 4491'

lost \approx 150 Bbls

regained circ.

Lost \approx 300 Bbls

MOD

SANDSTONE

NEUTRON POROSITY

PH

MINUTE MARK

LINE TENSION

TBG:

52 - JTS 3 1/2" 9.3# N80

77 - JTS 3 1/2" 9.3# J55

RODS:

1 - 1 1/4" X 26' POLISHED ROD.

1 - 7/8" X 6'

2 - 7/8" X 8'

54 - 7/8" "E" RODS

89 - 7/8" "D" RODS

14 - 7/8" "D" RODS

1 - 2 3/4" X 4' SM PLUNGER
SN 3986'11 - JTS 2 7/8" 6.5#
N80

EOT 4330'

8 5/8 24# WC-50

624' LMT'D W/ 450 SX FORMIC
(CIRC)

5 1/2" 17# WC-50

LMT'D W/ 570 SX F02 + LITE
(CIRC)

BLACKHAWK COAL PERFS

4028-29, 4032-33, 4037-42,

4057-58, 4063-66, 4070-75

4087-89, 4098-4101

4185-87, 4196 4205, 4214-15

4217-A, 4264-76

PBTD 4610

TD 4650

RECEIVED

JUL 22 1992

DIVISION OF
OIL GAS & MINING



Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

August 6, 1992

Cockrell Oil Corporation
1600 Smith, Suite 4600
Houston, Texas 77002

Gentlemen:

Re: Notification of Sale or Transfer of Fee Lease Interest - Township 12S, Range 10E, Carbon County, Utah

The division has received notification of a change of operator from Cockrell Oil Corporation to PG & E Resources Company for the following wells which are located on fee leases:

Shimmin Trust 1	43-007-30120	11-12S-10E
Shimmin Trust 2	43-007-30121	14-12S-10E
Shimmin Trust 3	43-007-30119	14-12S-10E
Shimmin Trust 4	43-007-30123	11-12S-10E
Shimmin Trust 5	43-007-30122	14-12S-10E

Rule R649-2-10 of the Utah Oil and Gas Conservation General Rules, requires that the owner of a lease provide notification to any person with an interest in such lease (working interest or royalty interest), when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Cockrell Oil Corporation of its responsibility to notify all individuals with an interest in this lease of the change of operator. Please provide written documentation of this notification to the division no later than August 27, 1992.

Sincerely,

Don Staley
Administrative Manager
Oil and Gas

ldc
cc: R.J. Firth
WOI201

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:	
1- LCR	7- LCR
2- DTS	OTS
3- VLC	✓
4- RJF	✓
5- RWM	✓
6- ADA	✓

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

<input checked="" type="checkbox"/> Change of Operator (well sold)	<input type="checkbox"/> Designation of Agent
<input type="checkbox"/> Designation of Operator	<input type="checkbox"/> Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-92)

TO (new operator) <u>PG&E RESOURCES COMPANY</u>	FROM (former operator) <u>COCKRELL OIL CORPORATION</u>
(address) <u>5950 BERKSHIRE LN #600</u>	(address) <u>1600 SMITH STE 4600</u>
<u>DALLAS, TX 75225</u>	<u>HOUSTON, TX 77002</u>
phone (<u>214</u>) <u>750-3824</u>	phone (<u>713</u>) <u>651-1271</u>
account no. <u>N 0595(X)</u>	account no. <u>N 1035</u>

Well(s) (attach additional page if needed):

Name: <u>SHIMMIN TRUST 3/MVRD</u>	API: <u>43-007-30119</u>	Entity: <u>11096</u>	Sec <u>14</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>FEE</u>
Name: <u>SHIMMIN TRUST 1/MVRD</u>	API: <u>43-007-30120</u>	Entity: <u>11096</u>	Sec <u>11</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>FEE</u>
Name: <u>SHIMMIN TRUST 2/MVRD</u>	API: <u>43-007-30121</u>	Entity: <u>11096</u>	Sec <u>14</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>FEE</u>
Name: <u>SHIMMIN TRUST 5/MVRD</u>	API: <u>43-007-30122</u>	Entity: <u>11096</u>	Sec <u>14</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>FEE</u>
Name: <u>SHIMMIN TRUST 4/MVRD</u>	API: <u>43-007-30123</u>	Entity: <u>11096</u>	Sec <u>11</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>FEE</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 6-23-92)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 7-10-92)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. 7-20-92
- See 6. Cardex file has been updated for each well listed above. 7-20-92
- See 7. Well file labels have been updated for each well listed above. 7-20-92
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. 7-20-92
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- For 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes ☒ no ☐ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

80572600 (\$50,000) "Federal Ins. Co." Released 7-20-92.
41870145 (\$80,000) "United Pacific Ins. Co." Received 7-13-92

- For 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files. ** Upon completion of routing.*
- For 3. The former operator has requested a release of liability from their bond (yes ☒ no ☐. Today's date June 25 1992. If yes, division response was made by letter dated _____ 19____. ** 920523 per phone conversation oper req. DOBm to keep bond in place.*

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- For 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 8/6 1992, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. *DTS*
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases. *N/A*

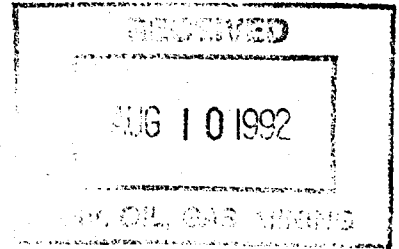
FILMING

- For 1. All attachments to this form have been microfilmed. Date: August 7 1992. *RWM*

FILING

- For 1. Copies of all attachments to this form have been filed in each well file.
- For 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS



August 6, 1992

Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attn: Tammi Searing

Re: PG & E Resources Company
Castlegate Prospect
Application for Temporary Change
of Water *43-007-30121*
Carbon County, Utah

Dear Tammi,

Enclosed please find one copy of the Application for Temporary Change of Water for PG & E's Castlegate Prospect in Carbon County, Utah.

As you know, several Applications for Permit to Drill have already been submitted and several additional applications will be forthcoming.

In future applications I will reference the Change Application Number (t92-91-12 (91 Area), rather than send additional copies of this application.

If you should need additional information, please feel free to contact me.

Sincerely,

PERMITCO INC.

Lisa L. Smith
Consultant for:
PG & E Resources Company

Enc.

cc: PG & E Resources - Dallas, TX
PG & E Resources - Vernal, UT

Permitco Incorporated
A Petroleum Permitting Company

13585 Jackson Drive Denver, Colorado 80241 (303) 452-8888



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Norman H. Bangertor, Governor
Dee C. Hansen, Executive Director
Robert L. Morgan, State Engineer

Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Price, UT 84501-0718 • 801-637-1303

July 31, 1992

West Hazmat Oil Field Services Inc.
Attn: Dale Price
East Highway 40
Roosevelt, Utah 84066

Re: Temporary Change Application #t92-91-12
Expiration Date: November 30, 1992

Dear Mr. Price:

The above referenced Temporary Change Application is hereby approved, and a copy is enclosed for your information and records.

If you have any questions, please feel free to contact me.

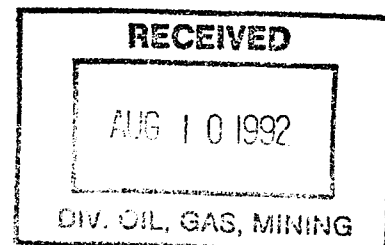
Sincerely,

William A. Warrick

for Mark P. Page
Regional Engineer

cc: Bob Davis - Price River Commissioner

Enclosures
MPP/mjk



APPLICATION FOR TEMPORARY CHANGE OF WATER

AUG 10 1992

DIV. OIL, GAS, MINING

STATE OF UTAH

WATER RIGHTS

Rec. by _____

Fee Paid \$ _____

Receipt # _____

Microfilmed _____

Roll # _____

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

*WATER RIGHT NO. 91 Area _____ *APPLICATION NO. 1 92 91 12

Changes are proposed in (check those applicable)

X point of diversion. X place of use. X nature of use. X period of use.

1. OWNER INFORMATION

Name: West Hazmat Oil Field Services Inc. *Interest: _____%

Address: East Highway 40

City: Roosevelt State: Utah Zip Code: 84066

2. *PRIORITY OF CHANGE: July 31, 1992 *FILING DATE: July 31, 1992

*Is this change amendatory? (Yes/No): No

3. RIGHT EVIDENCED BY: 91-366, Cert. #a229, Morse Decree First Class

Prior Approved Temporary Change Applications for this right: t91-91-09; t92-91-03; t92-91-04;
t92-91-05; t92-91-09; t92-91-10.

***** HERETOFORE *****

4. QUANTITY OF WATER: 7.98 cfs and/or _____ ac-ft.

5. SOURCE: Price River

6. COUNTY: Carbon

7. POINT(S) OF DIVERSION: _____
S. 560 ft. & E. 680 ft. from N $\frac{1}{2}$ Cor. Sec. 1, T14S, R9E, SLB&M.

Description of Diverting Works: Concrete diversion dam, earthen ditches

8. POINT(S) OF REDIVERSION

The water has been rediverted from _____ at a point: _____

Description of Diverting Works: _____

9. POINT(S) OF RETURN

The amount of water consumed is 7.98 cfs or _____ ac-ft.

The amount of water returned is _____ cfs or _____ ac-ft.

The water has been returned to the natural stream/source at a point(s): _____

*These items are to be completed by the Division of Water Rights.

Temporary Change

10. NATURE AND PERIOD OF USE

Irrigation: From March 1 to November 30
Stockwatering: From _____ to _____
Domestic: From _____ to _____
Municipal: From _____ to _____
Mining: From _____ to _____
Power: From _____ to _____
Other: From _____ to _____

11. PURPOSE AND EXTENT OF USE

Irrigation: 12,576.07 acres. Sole supply of 488.10 acres.

Stockwatering (number and kind): _____

Domestic: _____ Families and/or _____ Persons.

Municipal (name): _____

Mining: _____ Mining District in the _____ Mine.

Ores mined: _____

Power: Plant name: _____

Type: _____ Capacity: _____

Other (describe): _____

12. PLACE OF USE

Legal description of place of use by 40 acre tract(s): Carbon Canal Delivery System

13. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____

Capacity: _____ ac-ft. Inundated Area: _____ acres.

Height of dam: _____ feet.

Legal description of inundated area by 40 tract(s): _____

***** THE FOLLOWING CHANGES ARE PROPOSED *****

14. QUANTITY OF WATER: _____ cfs and/or 13.0 ac-ft.

15. SOURCE: 1) Willow Creek 2) Underground Exploratory Wells

Balance of the water will be abandoned: _____, or will be used as heretofore: X

16. COUNTY: Carbon

17. POINT(S) OF DIVERSION: See Attached Sheet

Description of Diverting Works: 1) Portable pump to tank truck 2) Existing 5½" casing,
4425 to 4667 feet deep
COMMON DESCRIPTION: 10 miles NE of Helper Matts Summit Quad

18. POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point: _____

Description of Diverting Works: _____

19. POINT(S) OF RETURN

The amount of water to be consumed is _____ cfs or 13.0 ac-ft.

The amount of water to be returned is _____ cfs or _____ ac-ft.

The water will be returned to the natural stream/source at a point(s): _____

-20. NATURE AND PERIOD OF USE

Irrigation: From ___/___/___ to ___/___/___
Stockwatering: From ___/___/___ to ___/___/___
Domestic: From ___/___/___ to ___/___/___
Municipal: From ___/___/___ to ___/___/___
Mining: From ___/___/___ to ___/___/___
Power: From ___/___/___ to ___/___/___
Other: From 7/31/92 to 11/30/92

21. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining: _____ Mining District at the _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Exploration drilling, road construction, dust suppression

22. PLACE OF USE

Legal description of place of use by 40 acre tract(s): See Attached Sheet

23. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet.
Legal description of inundated area by 40 tract(s): _____

24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary):
This Temporary Change Application is being filed to replace t91-91-09 & t92-91-10 to correct the points of diversion and place of use. To date approximately 0.77 AF has been utilized under t91-91-09.

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Dale Price
Signature of Applicant(s)

West Hazmat Oil Field Services Inc.
Temporary Change Application
#t92-91-12 (91 Area)
July 31, 1992

#17 Points of Diversion:

Willow Creek:
N. 320 ft. & W. 290 ft. from SE Cor. Sec. 3, T12S, R20E, SLB&M.

Shimmin Trust Wells:

Shimmin Trust #1: N. 793 ft. & W. 780 ft. from SE Cor. Sec. 11;
Shimmin Trust #2: S. 1980 ft. & W. 800 ft. from NE Cor. Sec. 14;
Shimmin Trust #3: S. 1980 ft. & E. 1780 ft. from NW Cor. Sec. 14;
Shimmin Trust #4: N. 540 ft. & E. 1900 ft. from SW Cor. Sec. 11;
Shimmin Trust #5: S. 660 ft. & W. 2340 ft. from NE Cor. Sec. 14;
all T12S, R10E, SLB&M. 13-007-30101

#22 Place of Use:

1210-0806: S. 2400 ft. & E. 1769 ft. from NW Cor. Sec. 8 (SE4NW4)
#7-9 Federal: S. 2109 ft. & W. 2038 ft. from NE Cor. Sec. 9 (SW4NE4)
#4-15 Federal: S. 660 ft. & E. 450 ft. from NW Cor. Sec. 15 (NW4NW4)
#4-13 Federal: S. 1174 ft. & E. 1168 ft. from NW Cor. Sec. 13 (NW4NW4)
#9-10 Jensen: N. 2500 ft. & W. 1020 ft. from SE Cor. Sec. 10 (NE4SE4)
#2-16 State: S. 780 ft. & W. 1971 ft. from NE Cor. Sec. 16 (NW4NE4)
#9-16 State: N. 1993 ft. & W. 702 ft. from SE Cor. Sec. 16 (NE4SE4)
#11-10 Jensen: N. 1650 ft. & E. 1650 ft. from SW Cor. Sec. 10 (NE4SW4)
#5-10 Jensen: S. 1680 ft. & E. 660 ft. from NW Cor. Sec. 10 (SW4NW4)
#16-10 Jensen: N. 330 ft. & W. 330 ft. from SE Cor. Sec. 10 (SE4SE4)
#7-15 Jensen: S. 1650 ft. & W. 1650 ft. from NE Cor. Sec. 15 (SW4NE4)
#11-11 Shimmin Trust: N. 2350 ft. & E. 1500 ft. from SW Cor. Sec. 11 (NE4SW4)
#10-11 Shimmin Trust: N. 2300 ft. & W. 1850 ft. from SE Cor. Sec. 11 (NW4SE4)
#12-12 Shimmin Trust: N. 2310 ft. & E. 990 ft. from SW Cor. Sec. 12 (NW4SW4)
#14-12 Shimmin Trust: N. 660 ft. & E. 1980 ft. from SW Cor. Sec. 12 (SE4SW4)
#11-15 Jensen: N. 1850 ft. & E. 1650 ft. from SW Cor. Sec. 15 (NE4SW4)
#16-9 Jensen: N. 1150 ft. & W. 1150 ft. from SE Cor. Sec. 9 (SE4SE4)
#16-15 Federal: N. 990 ft. & W. 990 ft. from SE Cor. Sec. 15 (SE4SE4)
#14-14 Federal: N. 990 ft. & E. 1650 ft. from SW Cor. Sec. 14 (SE4SW4)
#14-16 Federal: N. 990 ft. & W. 990 ft. from SE Cor. Sec. 14 (SE4SE4)
#14-13 Federal: N. 990 ft. & E. 1650 ft. from SW Cor. Sec. 13 (SE4SW4)
All T12S, R10E, SLB&M.

Alternate Wells:

#12-9 Jensen: N. 2054 ft. & E. 592 ft. from SW Cor. Sec. 9 (NW4SW4)
#14-9 Jensen: N. 675 ft. & E. 2170 ft. from SW Cor. Sec. 9 (SE4SW4)
#4-16 State: S. 922 ft. & E. 750 ft. from NW Cor. Sec. 16 (NW4NW4)
#11-16 State: N. 1980 ft. & E. 1980 ft. from SW Cor. Sec. 16 (NE4SW4)
All T12S, R10E, SLB&M.

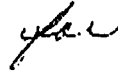
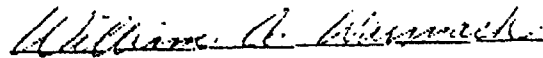
STATE ENGINEER'S ENDORSEMENT

TEMPORARY CHANGE APPLICATION NUMBER: t92-91-12

1. July 31, 1992 Change Application received by BW.
2. July 31, 1992 Application designated for APPROVAL by MP.
3. Comments:

Conditions:

This application is hereby APPROVED, dated July 31, 1992, subject to prior rights and this application will expire on November 30, 1992.

Mark Page, Area Engineer
for

Robert L. Morgan, State Engineer

September 15, 1992

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West Temple
Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attn: Mr. Frank Matthews

RE: Sundry Notice; Form 9
Shimmin Trust No. 2
Carbon County, Utah

Dear Mr. Matthews:

Please find enclosed a Sundry Notice (in duplicate) for the above referenced well. The Sundry reflects work performed to conduct step rate, falloff and stress testing. The results of this testing will be submitted under separate cover to the attention of Dan Jarvis in the Underground Injection Control (UIC) department.

Should additional information be needed, please call the undersigned at (214) 750-3988.

Sincerely,



Jim LaFevers
Supervisor
Regulatory Affairs

JL/ap

cc: Wayne Sutton
Central File
Regulatory File

wp51\jl\shimmi.ltr

RECEIVED

SEP 18 1992

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
 Use APPLICATION FOR PERMIT— for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify) <u>CBM WELL</u>		6. Lease Designation and Serial Number <u>11096</u>
2. Name of Operator <u>PG&E Resources Company</u>		7. Indian Allottee or Tribe Name <u>N/A</u>
3. Address of Operator <u>6688 N. Central Expwy., Ste. 1000</u> <u>Dallas, TX 75206</u>		8. Unit or Communitization Agreement <u>N/A</u>
4. Telephone Number <u>214-750-3988</u>		9. Well Name and Number <u>Shimmin Trust #2</u>
5. Location of Well Footage : <u>1980' FNL & 800' FEL</u> CO. Sec. T. R. M. : <u>Sec. 14, T-12S, R- 10E</u> County : <u>Carbon</u> State : <u>UTAH</u>		10. API Well Number <u>43-007-30121</u>
11. Field and Pool, or Wildcat <u>Wildcat</u>		

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input checked="" type="checkbox"/> Other <u>Performed step rate, falloff & stress test.</u> </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div>
Approximate Date Work Will Start _____	Date of Work Completion _____ Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

1. MIRU SERVICE UNIT. POOH w/rods & Tbg pump. NU BOP. Tested tbg to 3000 PSI. Pulled standing valve.
2. PU Tbg. RIH, tagged TD. POOH.
3. RIH w/notched collar, bailer & tbg. Cleaned out to PBTD. POOH
4. RU WL. Perforated 4575' w/2 shots. Perforate Spring Canyon sand from 4440' to 4528' w/3 1/8" csg. gun@ 2 SPF. Perforated 4390' w/2 shots.
5. RIH well testers. Performed step rate test. SI for 48 hours obtained fall off test.
6. RIH, move RBP to 4590', pkr to 4555'. Performed stress test on perfs @ 4575'. Repeated
7. Move RBP to 4425'. Tested to 2000 PSI. Set pkr @ 4370'. Performed Stress test on perfs at 4390'. Repeated.
8. RU WL. Set CIBP @4380'. Dump 10' Cmt on CIBP. Return to production.

14. I hereby certify that the foregoing is true and correct

Name & Signature

Jim LaFavers

Jim LaFavers

Reg. Affairs Superv. Date 9/16/92

(State Use Only)

RECEIVED

SEP 18 1992

INSTRUCTIONS

Type or print neatly in black ink.

This report form shall be used to notify the Utah Division of Oil, Gas and Mining of the intention to do miscellaneous work on any well for which a specific report form is not provided, and to report the subsequent results of that work.

Do not use this form for proposals to

- drill new wells,
- deepen existing wells beyond their original completion depths,
- reenter previously plugged and abandoned wells.

Use Application for Permit to Drill, Deepen, or Plug Back (APD) for such proposals.

To report the results of

- drilling a new well,
- deepening an existing well,
- reentering a previously plugged and abandoned well,
- completing in multiple reservoirs,
- recompleting to a different reservoir,
- completing or plugging a newly drilled well,

a Well Completion or Recompletion Report and Log form must be submitted to the division in addition to any Sundry Notice forms submitted.

NOTICE OF INTENT - A notice of intention to do work on a well or to change plans previously approved shall be submitted in duplicate and must be received and approved by the division before the work is commenced. The operator is responsible for receipt of the notice by the division in ample time for proper consideration and action. In cases of emergency, the operator may obtain verbal approval to commence work. Within five days after receiving verbal approval, the operator shall submit a Sundry Notice describing the work and acknowledging the verbal approval.

SUBSEQUENT REPORT - A subsequent report shall be submitted to the division within 30 days of the completion of the outlined work. Specific details of the work performed should be provided, including dates, well depths, placement of plugs, etc.

WELL ABANDONMENT - Proposals to abandon a well and subsequent reports of abandonment should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, and method of parting of any casing, liner, or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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Use APPLICATION FOR PERMIT for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) Coalbed Methane		6. Lease Designation and Serial Number 11096
2. Name of Operator PG&E Resources Company		7. Indian Allottee or Tribe Name NA
3. Address of Operator 6688 N. Central Expressway, Dallas, TX 75238	4. Telephone Number (214) 706-3640	8. Unit or Communitization Agreement NA
5. Location of Well Footage : 1980' FNL, 800' FEL CO, Sec. T., R., M. : SE NE S14, T12S-R10E		9. Well Name and Number Shimmin Trust #2
		10. API Well Number 43-007-30121
		11. Field and Pool, or Wildcat Wildcat
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input checked="" type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Perforate | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

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13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PG&E Resources Company request permission to perforate and fracture treat the upper Black Hawk coal seam interval. Prior to perforating the upper zone, a cement squeeze job will have to be performed since the T.O.C. does not cover the recommended upper perf intervals.

A procedure is attached for your review.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9/21/93

BY: [Signature]

14. I hereby certify that the foregoing is true and correct

Name & Signature

(State Use Only)

Cindy Keister

Title Sr. Regulatory Analyst Date 9/21/93

Clark Clement
 Stan Goodrich
 Rick Von Flatern
 Wayne Sutton
 John Wingert
 Will Paulsen

CASTLEGATE PROJECT
SHIMMIN TRUST NO. 2
SECTION 14-12S-10E, SE, NE
CARBON CO., UTAH
AFF # _____
SEPTEMBER 20, 1993

Glenn Bultmann
 Jeff Hart
 Randy Miller
 Mike McMican
 Well File

PURPOSE:

THIS PRODUCING WELL WAS PURCHASED FROM COCKRELL IN 6/92. THE LOWER BLACK HAWK COAL SEAM INTERVAL WHICH IS CURRENTLY OPEN WILL BE TREATED WITH PRODUCED WATER AND BREAKER SINCE THE ORIGINAL FRAC JOB DID NOT CONTAIN GEL BREAKER.

THE UPPER BLACK HAWK COAL SEAM INTERVAL WILL BE PERFORATED AND FRACTURE-TREATED JUST AS THE 20 NEWLY-COMPLETED WELLS WERE STIMULATED. PRIOR TO PERFORATING THE UPPER ZONE, A CEMENT SQUEEZE JOB WILL HAVE TO BE PERFORMED SINCE THE TQC DOES NOT COVER THE RECOMMENDED UPPER PERF INTERVALS.

DISCUSSION:

This well was completed by Cockrell on 10/07/90; the Lower Black Hawk coal seam interval was completed rod pumping 655 BWPD and "moderate" gas production (FL @ 1200'). Water production rapidly declined on this well without consequent increase in gas production until the well was shut down by PG&ER in 7/92 due to no gas sales outlet; however, had a gas sales point been established at that time, the well would still not have been economic to produce. (PG&ER bought the well from Cockrell in 6/92). After reviewing well treating and fracturing reports, John Ely determined that the borate frac jobs done on the well's lower coal intervals did not contain gel breaker - this phenomenon explained the rapid fall-off in water production rates and lack of increase in gas production rates.

The Lower Coal Seam Interval will be treated with produced water and gel breaker followed by a completion attempt in the Upper Coal Seam Interval.

WELL DATA:

WQ-56

KB-GND=15' (GND=7546'); 8-5/8", 24#, K-55 @ CS 624'
 (cmt'd to surf)
 5-1/2", 17#, WC-70, LT&C csg set @ 4650' cmt'd thru DV tool (3245'):
 Stage 1: 340 sx 50/50 Poz
 Stage 2: 230 sx Howco-Lite
 TOC @ 3950' +/- by CBL Measure
 12-1/4" Surf Hole
 7-7/8" Prod Hole

5-1/2", 17#, WC-70 Burst P = 6800 psi (80% = 5500 psi)
PBD = 4363' (CIBP w/25 sx cmt over Spring Canyon zone 4390'/4575')
TD @ 4650'
2-7/8", J-55, 8R EUE 6.5 #/ft internally coated production tbg.
Hole loaded w/filtered Willow Creek water.

WELL HISTORY: See attached sheets.

PERFS TO ADD: UPPER BLACK HAWK COAL:

3752' / 3973' 20' NET 28 HOLES

(By HLS Spectral Density DS Neutron log dated 8-19-90; see log strip for exact hole depths).

LOGS RUN: OH: HLS Spectral Density DS Neutron log (8-19-90)
 HLS Spectral Density "Quick Look" log (8-19-90)
 HLS Microlog (8-19-90)
 HLS High Resolution Spectral Density log (8-19-90)
 HLS Dual Induction Guard log (8-19-90)

CASED HOLE: HLS CBL ON Z AXIS (10-02-90)
 HLS Tracerscan logs (10-07-90 and 12-20-90)

PROCEDURE:

1. MIRU WS RIG - INST. DOUBLE BOP'S.
2. POOH W/R&P.
3. POOH W/TBG.
4. GIH W/4-3/4" RB & 5-1/2" CSG SCRAPER ON 2-7/8" J-55 WORKSTRING.
 TAG AND C/O FILL - NOTE RETURNS. CIRC HOLE CLN TO PBD @ 4363'.
5. POOH.
6. GIH W/MILLER RETRIEVAMATIC PKR W/RET. HD. & MOD "C" RBP ON 2-
 7/8" WORKSTRING. SET BP @ 4000'; SET PKR @ 3970' & TEST BP TO ~~4200~~ 5500
 PSI.
7. RELEASE PKR, INST. STINGER CSG SAVER AND TEST CSG TO 5500 PSI.
8. POOH W/TBG, PKR & RBP.
9. GIH W/2-7/8" WORKSTRING O.E. TO 4276'; SPOT 15% FE ACID FROM 4276'
 TO 4030'.

10. POOH W/2-7/8" TBG.

11. D/S PUMP 105,000 G FILTERED PRODUCED WATER (OR FILTERED 1% KCL WILLOW CREEK WATER) WITH GEL BREAKER AND 360-7/8" BALL SEALERS DOWN 5-1/2" CSG TO TREAT PERFS 4028'/4276' W/THE FOLLOWING TREATMENT SCHEDULE:

- * STINGER INST. TREE SAVER THRU BOP'S.
- * D/S TST SURFACE LINES TO 7500 PSI FOR 15 MIN.

<u>ITEM</u>	<u>VOLUME</u>	<u>FLUID</u>	<u># OF BALL SEALERS**</u>
Stage 1	40,000 g	10 Mic Filtered Prod. Wtr. w/Brkr*	----
Stage 2	8,000 g	"	120
Stage 3	4,000 g	"	----
Stage 4	8,000 g	"	120
Stage 5	30,000 g	"	----
Stage 6	8,000 g	"	120
Stage 7	7,000 g	"	----

* 10#/1000G J-218 BREAKER AND 10#/1000G J-318
BREAKER ACTIVATOR.

** 7/8" 1.3 S.G. RCN BALL SEALERS.

- * TREAT @ 65 BPM X (EST.) 4000 PSI (MX P = 5500 PSI - SET POP-OFF VALVE FOR 5500 PSI).
- * D/S TO SUPPLY SUFFICIENT HP TO TREAT @ 65 BPM X 4000 PSI + 50% STANDBY CAPABILITY.
- * BREAKERS TO BE ADDED ON FLY.
- * ACTUAL NUMBER OF BALL SEALERS MAY VARY AND WILL BE EXAMINED AFTER FIRST STAGE BALLS HIT THE PERFORATIONS.
- * JOB TO BE QC'D BY JOHN ELY ENGINEER.

12. FLOWBACK/SWAB WELL TO EVALUATE INFLOW.

13. RUN MILLER MOD "C" CUP-TYPE RBP AND RETRIEVAMATIC PKR W/RET. HD ON 2-7/8" WORKSTRING. SET BP @ 3990'; SET PKR & TST RBP TO 5500 PSI. SPOT 2 SX SD ON BP STINGER.

14. POOH W/2-7/8" WORKSTRING & PKR.

15. SCHL PERF SQZ HOLES @ 3930' & 3650' W/4" 4-WAY SQZ GUN.

16. GIH W/MILLER RETRIEVAMATIC PKR (TENSION-SET W/BY-PASS UNLOADER) ON 2-7/8" WORKSTRING.
17. SET PKR @ 3860'; ESTABLISH CIRC W/MUD FLUSH MIXTURE DOWN ANNULUS AND OUT SQZ HOLES @ 3650' DOWN ALONG CHANNEL FROM 3650' TO 3930' THEN INTO TBG THRU SQZ PERFS @ 3930' AND THEN UP THE TBG.
18. POOH.
19. GIH W/MILLER MOD "K" CMT RET. ON 2-7/8" WORKSTRING. SET RET. @ 3850'.
20. D/S SQZ 150 SX CL G CMT W/GILSONITE & FL ADDITIVE DOWN 2-7/8" TBG & OUT CMT RET.
21. HESITATE PUMP TO ACHIEVE SQZ PRESSURE.
22. PUMP CMT AND ONCE TBG IS LOADED THEN STING OUT OF RET. & POOH W/TBG.
23. BULLHEAD DOWN CSG TO ACHIEVE FINAL SQZ PRESSURE & HOLD OVERNIGHT.
24. WOC 24 HRS.
25. GIH W/4-3/4" RB & 6 DC'S ON 2-7/8" WORKSTRING. TAG TOC AND DOC TO 3990'.
26. TST SQZ TO 2500 PSI.
27. POOH W/TBG, DC'S & RB.
28. SCHL PERF UPR COAL SEAM INTERVAL @ THE INDICATED DEPTHS USING 4" CSG GUN, 32 GM CHG, 20" TTP BERE, .45" DIAM HOLE:

3752' / 3973' 20 NET 28 HOLES

(SEE ATTACHED LOG STRIP FOR EXACT HOLE DEPTHS - PERF BY HLS SPECTRAL DENSITY DS NEUTRON LOG DATED 8-19-90).
29. STINGER WHD PROTECTION INST 10,000 PSI CASING SAVER THRU BOP'S.

30. RU FLOWBACK MANIFOLD W/ADJ & POS CK CAPABILITIES FROM WING VALVE ON TBG HANGER HEAD THRU MANIFOLD TO STAKED DOWN BLOOEY LINE TO PIT.
31. D/S TREAT PERFS OF UPR BLACK HAWK COAL INTERVAL 3752' / 3973' (28 HOLES) DOWN 5-1/2" CSG W/2000 G 7-1/2% FE ACID (W/FINES SUSP ADDITIVE AND SURFACTANT) & 30-7/8" RCN 1.3 SG BALL SEALERS (IF REQUIRED) AS FOLLOWS:

- * INSTALL FRAC VALVE ON TOP OF STINGER HYDRAULIC VALVE
- * D/S HOOK UP FORCE CLOSURE "BLOW DOWN" LINE W/ADJ CK & RATE METER TO PIT OFF OF MAIN TREATING LINE
- * D/S TEST LINES TO 7500 PSI FOR 15 MINUTES
- * ESTABLISH INJECTION RATE DOWN CSG TO BD PERFS W/10 MICRON FILTERED PRODUCED WATER (100 BBLs)
- * IF GOOD PUMP-IN RATE IS ESTABLISHED, PUMP ACID W/O BALL SEALERS; IF WELL PUMP-IN IS NOT ADEQUATE, DROP BALLS IN THE ACID AS OUTLINED BELOW.
- * START ACID (17 BBLs) THEN DROP 1 BALL/BBL ACID IN LAST 30 BBLs ACID.
- * EST TREAT @ 15 BPM X 2000 PSI (MX P = 5500 PSI). (SET POP-OFFS FOR 5500#).
- * IF NO BALLS ARE DROPPED IN THE ACID, DO NOT SHUT DOWN PUMPING FOR ANY REASON! CONTINUE PUMPING W/FRAC PRE-PAD VOL.
- * ATTEMPT TO BALL OFF; WHEN BALL OFF OCCURS, SURGE BALLS HARD 3 TIMES THEN S/D & WAIT 30 MINUTES FOR BALLS TO FALL.

32. ^{UPR} D/S FRAC LOWER COAL SEAM PERFS 3752' / 3973' (28 HOLES) DOWN 5-1/2" CSG BY LIMITED ENTRY USING 61,000 GALS OF ALUM AND ZIRC DUAL XL CMHEC GEL & 36,000# 100 M, 69,000# 16/30 OTTAWA SAND, AND 20,000# OF CURABLE RESIN CTD SD 16/30 M USING THE FOLLOWING TREATMENT SCHEDULE:

<u>ITEM</u>	<u>VOLUME</u>	<u>FLUID</u>	<u>SD CONC</u>
Pre-Pad	10,000 gal	10 Mic Filtered Prod. Wtr.	----
Pad	25,000 gal	35# Dual AL & Zirc XL CMHEC Gel	----
Stage 1	6,000 gal	35# Dual AL & Zirc XL CMHEC Gel	2 PPG 100 MESH
Stage 2	6,000 gal	35# Dual AL & Zirc XL CMHEC Gel	4 PPG 100 MESH

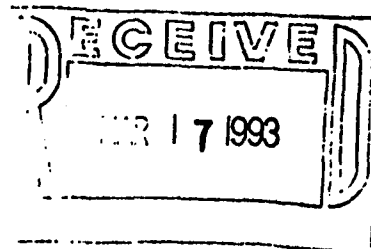


Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340



March 12, 1993

PG&E Resources Company
6688 North Central Expressway
Dallas Texas 75206

Gentlemen:

Re: Conversion of the Jensen 16-10, Jensen 9-10, Shimmin Trust 11-11, and Shimmin Trust 10-11 wells located in Sections 10 and 11, Township 12 South, Range 10 East, Carbon County, Utah, to Water Disposal Wells

In accordance with Utah Admin. R. 649-5-3-3, administrative approval for conversion of the referenced wells to Class II injection wells is granted.

The following actions are necessary to fully comply with this approval:

1. Compliance with the UIC requirements for operation, maintenance and reporting for Class II injection wells.
2. Conformance with all conditions of the submitted applications.

If you have any questions regarding this approval or the necessary requirements, please contact this office.

Sincerely,

R.J. Firth
Associate Director, Oil and Gas

cc: BLM, Price
R.J. Firth
WUI229

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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Use APPLICATION FOR PERMIT— for such proposals

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3. Address of Operator 6688 N. Central Expressway, Dallas, TX 75238		8. Unit or Communitization Agreement NA
4. Telephone Number (214) 706-3640		9. Well Name and Number Shimmin Trust #2
5. Location of Well Footage : 1980' FNL, 800' FEL QQ, Sec. T., R., M. : SE NE S14, T12S-R10E		10. API Well Number 43-007-30121
		11. Field and Pool, or Wildcat Wildcat
County : Carbon State : UTAH		

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input checked="" type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input checked="" type="checkbox"/> Other Perforate	<input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate Date Work Will Start _____	Date of Work Completion _____
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.	

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PG&E Resources Company request permission to perforate and fracture treat the upper Black Hawk coal seam interval. Prior to perforating the upper zone, a cement squeeze job will have to be performed since the T.O.C. does not cover the recommended upper perf intervals.

A procedure is attached for your review.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9-24-93
BY: J. P. Matthews

RECEIVED

SEP 22 1993

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

Cindy Keister

Cindy Keister

Title Sr. Regulatory Analyst Date 9/21/93

(State Use Only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT—for such proposals.

DEC 27 1993

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (Specify) _____		6. Lease Designation and Serial Number Fee _____
2. Name of Operator PG&E Resources Company		7. Indian Allottee or Tribe Name NA
3. Address of Operator 6688 N. Central Expwy., Suite 1000, Dallas, TX 75206		8. Unit or Communization Agreement NA
4. Telephone Number (214) 750-3800		9. Well Name and Number Shimmin No. 2
5. Location of Well Footage : 1980' FNL & 800' FEL QQ. Sec, T., R., M. : SE/4 SE/4 Section 14, T12S-R10E		10. API Well Number 43-007-30121
County : Carbon State : UTAH		11. Field and Pool, or Wildcat Wildcat

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
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Date of Work Completion _____																											
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.																											

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PG&E Resources Company requests approval to dispose of produced water from the referenced well into off-lease injection well(s) located in Section 10 and 11 of T12S-R10E, Carbon County, Utah. The produced water will flow via a gathering line to a central processing facility (CPF) where it will be consolidated with other produced water from the field prior to entering the injection header for disposal into one of the four injection wells. A copy of the State of Utah, UIC Permit is included for your review.

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Name & Signature Cindy R. Keister

Title

Sr. Regulatory Analyst

Date 12/20/1993

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DIVISION OF OIL, GAS AND MINING

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(State Use Only)

Clark Clement
Stan Goodrich
Rick Von Flatern
Wayne Sutton
John Wingert
Will Paulsen

CASTLEGATE PROJECT
SHIMMIN TRUST NO. 2
SECTION 14-12S-10E, SE, NE
CARBON CO., UTAH
AFE # _____
SEPTEMBER 20, 1993

Glenn Bultmann
Jeff Hart
Randy Miller
Mike McMican
Well File

PURPOSE:

THIS PRODUCING WELL WAS PURCHASED FROM COCKRELL IN 6/92. THE LOWER BLACK HAWK COAL SEAM INTERVAL WHICH IS CURRENTLY OPEN WILL BE TREATED WITH PRODUCED WATER AND BREAKER SINCE THE ORIGINAL FRAC JOB DID NOT CONTAIN GEL BREAKER.

THE UPPER BLACK HAWK COAL SEAM INTERVAL WILL BE PERFORATED AND FRACTURE-TREATED JUST AS THE 20 NEWLY-COMPLETED WELLS WERE STIMULATED. PRIOR TO PERFORATING THE UPPER ZONE, A CEMENT SQUEEZE JOB WILL HAVE TO BE PERFORMED SINCE THE TQC DOES NOT COVER THE RECOMMENDED UPPER PERF INTERVALS.

DISCUSSION:

This well was completed by Cockrell on 10/07/90; the Lower Black Hawk coal seam interval was completed rod pumping 655 BWPd and "moderate" gas production (FL @ 1200'). Water production rapidly declined on this well without consequent increase in gas production until the well was shut down by PG&ER in 7/92 due to no gas sales outlet; however, had a gas sales point been established at that time, the well would still not have been economic to produce. (PG&ER bought the well from Cockrell in 6/92). After reviewing well treating and fracturing reports, John Ely determined that the borate frac jobs done on the well's lower coal intervals did not contain gel breaker - this phenomenon explained the rapid fall-off in water production rates and lack of increase in gas production rates.

The Lower Coal Seam Interval will be treated with produced water and gel breaker followed by a completion attempt in the Upper Coal Seam Interval.

WELL DATA:

WC-50
KB-GND=15' (GND=7546'); 8-5/8", 24#, K-55 @ CS 624'
(cmt'd to surf)
5-1/2", 17#, WC-70, LT&C csg set @ 4650' cmt'd thru DV tool (3245'):
Stage 1: 340 sx 50/50 Poz
Stage 2: 230 sx Howco-Lite
TOC @ 3950' +/- by CBL Measure
12-1/4" Surf Hole
7-7/8" Prod Hole

1. MIRU WS RIG. INST. DOUBLE BOP'S.
2. POOH W/R&P.
3. POOH W/TBG.
4. GIH W/4-3/4" RB & 5-1/2" CSG SCRAPER ON 2-7/8" J-55 WORKSTRING. TAG AND C/O FILL - NOTE RETURNS. CIRC HOLE CLN TO PBD @ 4363'.
5. POOH.
6. GIH W/MILLER RETRIEVAMATIC PKR W/RET. HD. & MOD "C"RBP ON 2-7/8" WORKSTRING. SET BP @ 4000'; SET PKR @ 3970' & TEST BP TO ~~6200~~ 5500 PSI.
7. RELEASE PKR, INST. STINGER CSG SAVER AND TEST CSG TO 5500 PSI.
8. POOH W/TBG, PKR & RBP.
9. GIH W/2-7/8" WORKSTRING O.E. TO 4276'; SPOT 15% FE ACID FROM 4276' TO 4030'.

10. POOH W/2-7/8" TBG.

11. D/S PUMP 105,000 G FILTERED PRODUCED WATER (OR FILTERED 1% KCL WILLOW CREEK WATER) WITH GEL BREAKER AND 360-7/8" BALL SEALERS DOWN 5-1/2" CSG TO TREAT PERFS 4028'/4276' W/THE FOLLOWING TREATMENT SCHEDULE:

- * STINGER INST. TREE SAVER THRU BOP'S.
- * D/S TST SURFACE LINES TO 7500 PSI FOR 15 MIN.

<u>ITEM</u>	<u>VOLUME</u>	<u>FLUID</u>	<u># OF BALL SEALERS**</u>
Stage 1	40,000 g	10 Mic Filtered Prod. Wtr. w/Brkr*	----
Stage 2	8,000 g	"	120
Stage 3	4,000 g	"	----
Stage 4	8,000 g	"	120
Stage 5	30,000 g	"	----
Stage 6	8,000 g	"	120
Stage 7	7,000 g	"	----

- * 10#/1000G J-218 BREAKER AND 10#/1000G J-318 BREAKER ACTIVATOR.

** 7/8" 1.3 S.G. RCN BALL SEALERS.

- * TREAT @ 65 BPM X (EST.) 4000 PSI (MX P = 5500 PSI - SET POP-OFF VALVE FOR 5500 PSI).
- * D/S TO SUPPLY SUFFICIENT HP TO TREAT @ 65 BPM X 4000 PSI + 50% STANDBY CAPABILITY.
- * BREAKERS TO BE ADDED ON FLY.
- * ACTUAL NUMBER OF BALL SEALERS MAY VARY AND WILL BE EXAMINED AFTER FIRST STAGE BALLS HIT THE PERFORATIONS.
- * JOB TO BE QC'D BY JOHN ELY ENGINEER.

12. FLOWBACK/SWAB WELL TO EVALUATE INFLOW.

13. RUN MILLER MOD "C" CUP-TYPE RBP AND RETRIEVAMATIC PKR W/RET. HD ON 2-7/8" WORKSTRING. SET BP @ 3990'; SET PKR & TST RBP TO 5500 PSI. SPOT 2 SX SD ON BP STINGER.

14. POOH W/2-7/8" WORKSTRING & PKR.

15. SCHL PERF SQZ HOLES @ 3930' & 3650' W/4" 4-WAY SQZ GUN.

16. GIH W/MILLER RETRIEVAMATIC PKR (TENSION-SET W/BY-PASS UNLOADER) ON 2-7/8" WORKSTRING.
17. SET PKR @ 3860'; ESTABLISH CIRC W/MUD FLUSH MIXTURE DOWN ANNULUS AND OUT SQZ HOLES @ 3650' DOWN ALONG CHANNEL FROM 3650' TO 3930' THEN INTO TBG THRU SQZ PERFS @ 3930' AND THEN UP THE TBG.
18. POOH.
19. GIH W/MILLER MOD "K" CMT RET. ON 2-7/8" WORKSTRING. SET RET. @ 3850'.
20. D/S SQZ 150 SX CL G CMT W/GILSONITE & FL ADDITIVE DOWN 2-7/8" TBG & OUT CMT RET.
21. HESITATE PUMP TO ACHIEVE SQZ PRESSURE.
22. PUMP CMT AND ONCE TBG IS LOADED THEN STING OUT OF RET. & POOH W/TBG.
23. BULLHEAD DOWN CSG TO ACHIEVE FINAL SQZ PRESSURE & HOLD OVERNIGHT.
24. WOC 24 HRS.
25. GIH W/4-3/4" RB & 6 DC'S ON 2-7/8" WORKSTRING. TAG TOC AND DOC TO 3990'.
26. TST SQZ TO 2500 PSI.
27. POOH W/TBG, DC'S & RB.
28. SCHL PERF UPR COAL SEAM INTERVAL @ THE INDICATED DEPTHS USING 4" CSG GUN, 32 GM CHG, 20" TTP BERE, .45" DIAM HOLE:

3752' / 3973' 20 NET 28 HOLES

(SEE ATTACHED LOG STRIP FOR EXACT HOLE DEPTHS - PERF BY HLS SPECTRAL DENSITY DS NEUTRON LOG DATED 8-19-90).
29. STINGER WHD PROTECTION INST 10,000 PSI CASING SAVER THRU BOP'S.

30. RU FLOWBACK MANIFOLD W/ADJ & POS CK CAPABILITIES FROM WING VALVE ON TBG HANGER HEAD THRU MANIFOLD TO STAKED DOWN BLOOEY LINE TO PIT.

31. D/S TREAT PERFS OF UPR BLACK HAWK COAL INTERVAL 3752' / 3973' (28 HOLES) DOWN 5-1/2" CSG W/2000 G 7-1/2% FE ACID (W/FINES SUSP ADDITIVE AND SURFACTANT) & 30-7/8" RCN 1.3 SG BALL SEALERS (IF REQUIRED) AS FOLLOWS:

- * INSTALL FRAC VALVE ON TOP OF STINGER HYDRAULIC VALVE
- * D/S HOOK UP FORCE CLOSURE "BLOW DOWN" LINE W/ADJ CK & RATE METER TO PIT OFF OF MAIN TREATING LINE
- * D/S TEST LINES TO 7500 PSI FOR 15 MINUTES
- * ESTABLISH INJECTION RATE DOWN CSG TO BD PERFS W/10 MICRON FILTERED PRODUCED WATER (100 BBLs)
- * IF GOOD PUMP-IN RATE IS ESTABLISHED, PUMP ACID W/O BALL SEALERS; IF WELL PUMP-IN IS NOT ADEQUATE, DROP BALLS IN THE ACID AS OUTLINED BELOW.
- * START ACID (17 BBLs) THEN DROP 1 BALL/BBL ACID IN LAST 30 BBLs ACID.
- * EST TREAT @ 15 BPM X 2000 PSI (MX P = 5500 PSI). (SET POP-OFFS FOR 5500#).
- * IF NO BALLS ARE DROPPED IN THE ACID, DO NOT SHUT DOWN PUMPING FOR ANY REASON! CONTINUE PUMPING W/FRAC PRE-PAD VOL.
- * ATTEMPT TO BALL OFF; WHEN BALL OFF OCCURS, SURGE BALLS HARD 3 TIMES THEN S/D & WAIT 30 MINUTES FOR BALLS TO FALL.

UPR
32. D/S FRAC ~~LOWER~~ COAL SEAM PERFS 3752' / 3973' (28 HOLES) DOWN 5-1/2" CSG BY LIMITED ENTRY USING 61,000 GALS OF ALUM AND ZIRC DUAL XL CMHEC GEL & 36,000# 100 M, 69,000# 16/30 OTTAWA SAND, AND 20,000# OF CURABLE RESIN CTD SD 16/30 M USING THE FOLLOWING TREATMENT SCHEDULE:

<u>ITEM</u>	<u>VOLUME</u>	<u>FLUID</u>	<u>SD CONC</u>
Pre-Pad	10,000 gal	10 Mic Filtered Prod. Wtr.	-----
Pad	25,000 gal	35# Dual AL & Zirc XL CMHEC Gel	-----
Stage 1	6,000 gal	35# Dual AL & Zirc XL CMHEC Gel	2 PPG 100 MESH
Stage 2	6,000 gal	35# Dual AL & Zirc XL CMHEC Gel	4 PPG 100 MESH

Stage 3	6,000 gal	35# Dual AL & Zirc XL CMHEC Gel	4 PPG 16/30 OTTAWA SD
Stage 4	9,000 gal	35# Dual AL & Zirc XL CMHEC Gel	5 PPG 16/30 OTTAWA SD
Stage 5	4,000 gal	35# Dual AL & Zirc XL CMHEC Gel	RAMP UP TO 5 FROM 4 PPG 16/30 CURABLE RI SD
Flush	3,925 gal	10 Mic Filtered Prod. Wtr.	-----

- * EST TREAT @ 50 BPM X 3000 PSI (MX P = 5500 PSI) (SET POP-OFFS FOR 5500#).
- * JOB TO BE PILOT TESTED & BATCH-MIXED AS PER JOHN ELY SPECS AND PROCEDURE (TEST GEL XL VISCOSITY, XL TIME, BREAKER LOADING, SD SPECS).
- * TO FORCE CLOSE, OPEN WELL FOR FLOWBACK WITHIN 50 SECS OF FRAC JOB COMPLETION (OPEN WELL TO FLOW @ 1 BPM ON APPROX 8/64" CK).
- * PROTECHNICS R/A TAG SD W/2 ISOTOPES - ANTIMONY FOR 100 M & IR OR SC FOR 16/30 SD & RC.

33. FLOWBACK WELL & EVALUATE. RUN 2-7/8" TBG & RBP RET HD.

34. RET RBP & POOH.

RUN "AFTER FRAC" TRACER SCAN LOG

35. RUN PC PUMP STATOR AND NO-TURN TOOL AND TAIL PIPE ON 2-7/8" INTERNALLY COATED TBG; LAND PS ABOVE AND WITHIN 50' OF TOP PERFS.

36. RUN ROTOR ON 1" SR'S (W/ROD GUIDES) & LAND IN PUMP STATOR - SPACE OUT; HOOK TO DRIVE HEAD.

37. PUT WELL ON PRODUCTION.

SIGNATURES:

AC. Linn
PRODUCTION ENGINEER

9/2/93
DATE

AREA PRODUCTION MANAGER

DATE

PRODUCTION ENGINEERING MANAGER

DATE

DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

Shimmin Trust

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 14-T12S-R10E

12. COUNTY

Carbon

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

PG&E Resources Company

3. ADDRESS OF OPERATOR

6688 N. Central Expwy., Suite 1000, Dallas, TX 75206

4. LOCATION OF (Report location clearly and in accordance with any State requirements)*

At surface 1980' FNL & 800' FEL SE/4 NE/4

At top prod. interval reported below Same

At total depth Same

14. API NO.

43-007-30121

DATE ISSUED

06/13/90

15. DATE SPUDDED

07/09/90

16. DATE T.D. REACHED

08/19/90

17. DATE COMPL. (Ready to prod., or

10/15/93 (Plug & Abd.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)

7561' RKB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

4650'

21. PLUG, BACK T.D., MD & TVD

4612'

22. IF MULTIPLE COMPL., HOW MANY

23. INTERVALS DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)

3752' - 3972' Blackhawk 4028' - 4276' Blackhawk/Kenilworth

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIGL/SDDSNL/HRSD/MICRO/ACCOUSTIC CBL

27. WAS WELL CORED YES ☒ NO ☐ (Submit analysis)DRILL STEM TEST YES ☐ NO ☒ (See reverse side)

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	23#	624'	12-1/4"	450sx Premium w/additives	0
5-1/2"	17#	4650'	7-7/8"	340sx 50/50 Poz w/additives	0
		DV Tool @3245'		200sx Silica Hifill w/additives +	
				30sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	4289'	NA

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

3752' - 3972' 0.45" 28 Holes

4028' - 4276'

32. ACID, SHOT, FRACTURE, CEMENT

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See attached	

33. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Model 200 Progressive Cavity Pump WELL STATUS (Producing or shut-in) Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	GAS--MCF.	WATER--BBL.	GAS--OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Well currently shut-in waiting on connection to central processing facility.

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Workover started 09/24/93 & completed 10/15/93.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Sr. Regulatory Analyst

DATE

11/22/1993

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:			38. GEOLOGIC MARKERS			
Formation	Top	Bottom	Description, contents, etc.	Name	Top	
					Meas. Depth	True Vert. Depth
Blackhawk	3386'	4099'	Natural gas & water.	Price River ss		2647'
Kenilworth	4100'	4311'	Natural gas & water.	Castlegate ss		3078'
				Blackhawk		3386'
				Kenilworth ss		4100'
				Aberdeen ss		4312'
				Spring Canyon ss		4438'

RECEIVED

NOV 24 1993

DIVISION OF
OIL, GAS & MINING

FORM 8
ATTACHMENT
SHIMMIN TRUST NO. 2

No. 32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

<u>Depth Interval (MD)</u>	<u>Amount and Kind of Material Used</u>
3930' & 3650'	Perf w/4 SPF & squeeze w/25sx Class G.
3880'	Perf w/4 SPF & squeeze w/150sx Class G.
3752' - 3972'	61,000 gals Alum & Zirc Dual XL CMHEC w/36,000# 100 mesh sd + 69,000# 16/30 Ottawa sd + 20,000# curable resin coated sd.
4028' - 4276'	141,000 gals filtered 1% KCL Willow Creek Water w/gel breaker + 6000 gals 7-1/2% FE acid + 600 7/8" ball sealers.
4028' - 4101'	91,000 gals gel w/30,000# 40/70 sd + 50,000# 20/40 sd.
4185' - 4219'	500 gals 15% HCL + 89,654 gals gel w/ 30,000# 40/70 sd + 33,000# 20/40 sd.
4264' - 4276'	43,600 gals Bora Gel 1350 w/52,000# 20/40 sd.

November 22, 1993



State of Utah Dept. of Natural Resources
Division of Oil, Gas & Mining
355 West Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84186

RE: Shimmin Trust No. 2
Section 14, T12S-R10E
Carbon County, Utah

Gentlemen:

Attached is the following information in triplicate as required for completion of the referenced well:

1. Form 8 "Well Completion or Recompletion Report and Log"
2. Form 9 "Sundry Notices and Reports on Wells" (Subsequent Report)
3. Daily well history.

If you have any questions or need further information, please contact the undersigned at (214) 706-3640.

Very truly yours,

Cindy R. Keister
Sr. Regulatory Analyst

CRK/ck

Attachments

cc: Regulatory File
Central Files

RECEIVED

NOV 24 1993

DIVISION OF
OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT - for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (Specify)		6. Lease Designation and Serial Number Fee 7. Indian Allottee or Tribe Name NA 8. Unit or Communization Agreement NA
2. Name of Operator PG&E Resources Company		9. Well Name and Number Shimmin No. 2
3. Address of Operator 6688 N. Central Expwy., Suite 1000, Dallas, TX 75206	4. Telephone Number (214) 750-3800	10. API Well Number 43-007-30121
5. Location of Well Footage : 1980' FNL & 800' FEL County : Carbon QQ. Sec, T., R., M. : SE/4 SE/4 Section 14, T12S-R10E State : UTAH		
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
NOTICE OF INTENT (Submit in Duplicate) <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div>		SUBSEQUENT REPORT (Submit in Duplicate) <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Test <input type="checkbox"/> Other </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input checked="" type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div>
Approximate Date Work Will Start _____		Date of Work Completion <u>10/15/1993</u> Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Perforate the upper Blackhawk Coal Seam, fracture stimulate, and cement squeeze casing as shown on the attached daily report.

RECEIVED

NOV 24 1993

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name & Signature Cindy Keister

Title Sr. Regulatory Analyst

Date 11/22/1993

(State Use Only)

WELL HISTORY

Shimmin Trust No. 2
Castlegate Area
Carbon County, Utah
(PG&ER Operated)

- 09-24-93 MIRU Western (BOP was nipped up on 9/23). RIH with 4-3/4" bit, csg scraper on 2-7/8" workstring. Tag fill at 4310' (53' fill & 34' below btm perf), move TS to 3538' KB & SDFN.
- 09-25-93 0 psi SITP & SICP. POOH with 2-7/8" work string, csg scraper & 4-3/4" bit. RIH with Elder Model 'C' BP & setting tool on 2-7/8" workstring, set BP at 4004' KB. POOH with 2-7/8" tbg & setting tool. RU Stinger & press test 5-1/2" csg to 5500 psi for 15 min. RD Stinger. RIH with retrieving tool on 2-7/8" workstring, retrieve BP at 4004' & POOH. RDMO Western & SDFN.
- 09-26-93 Prep to pump gel breaker & acid on 9-28-93.
- 09-27-93 Move rig to location, spot pump, tank & workstring. RU manifold to mud tank & pump lines.
- 09-28-93 RU Western, held Safety Meeting, testing surface lines to 6500 psi (ok). Set pop-offs at 5500 psi. (FL was at 1950' when csg was tested). Treated through Stinger tree saver down 5-1/2" csg, perfs 4028'/4276' with 141,000 gal filtered 1% KCl Willow Creek water with gel breaker 10#/1000 gal B-5, 1 gal/1000 gal J-318 & 6000g 7-1/2% FE acid & 600 7/8" ball sealers. ISIP=1700 psi. No ball out. Flow back 1 BPM for 30 min, well on vacuum. RD.
- 09-29-93 No report
- 09-30-93 No SIP on wellhead. RIH with 2-7/8" workstring & tag btm, no fill up. Start swab, FL at 1600'. Made 4 runs, rec'd 32 bbl. POOH with 2-7/8" workstring. RIH with Miller RBP on 2-7/8" tbg, set at 3990', press test RBP & 5-1/2" csg to 1500 psi (ok) & circ 1 sx sand on top. POOH with tbg. RU Stinger tree saver & pressure test RBP with 5-1/2" csg to 5500 psi; no bleed off. RU Schlumberger, perf cmt sqz holes 3930' & 3650' using 4" csg gun with 4 SPF, total 8 holes, 90° phasing, 22 gram, .45" diam holes. All shots fired.
- 10-01-93 PU Miller pkr, TIH & set at 3830'. Pump 20 bbl down ann thru sqz perfs at 3650', no returns out sqz perfs at 3930'. Start pumping down 2-7/8" tbg & thru perfs at 3930', pumped 20 bbl, no returns up ann. Could not circ thru perfs at 3930'. RU Western, test surf lines to 3000 psi (ok). Pump 250 gal 15% acid, no returns up ann. TOH with pkr & SDFN.

WELL HISTORY

Shimmin Trust No. 2
Castlegate Area
Carbon County, Utah
(PG&ER Operated)

- 10-02-93 PU Miller cmt retainer, TIH & set at 3900' KB. RU Western, test surf lines to 1500 psi, sting into retainer, cmt with 25 sx Class G. Press up to 800 psi, pull out of retainer & reverse out excess cmt. TOH. Perf cmt sqz holes at 3880'. TIH with Miller pkr & set at 3824'. Pump 1% KCl wtr down ann & thru sqz perfs at 3650', circ clean. TOH (rig broke down). SD for repairs.
- 10-03-93 PU Miller cmt retainer, TIH, set at 3680'. RU Western, test surf lines to 1500 psi. Circ tbg capacity, cmt Upper Black Hawk Coal interval with 150 sx Class G cmt. Pull out of cmt retainer & TOH. Press up to 600 psi, no bleed off. SWI in 600 psi on csg, WOC.
- 10-04-93 200 psi SIP on sqz hole. PU 4-3/4" bit, TIH with 2-7/8" tbg, tag up on cmt at 2872'. Bail firm cmt 2872-3352', displace hole with fresh wtr & SDFN.
- 10-05-93 Drill cmt above top sqz hole (3352-3680'). Press test sqz perfs at 3650' to 2500 psi, held 15 min - no bleed off. Drill cmt retainer at 3680', drill cmt 3680-3728', circ clean. TOH for new bit, SDFN.
- 10-06-93 RIH with new 4-3/4" RB on 2-7/8" workstring. Drill sqz cmt 3728-3900'. Press test 2nd sqz perf at 3880' to 2500 psi, held 15 min, no bleed off. Drill 2nd cmt retainer at 3900'. Drill cmt 3902-20', broke out of cmt & wash to 3985' (top of BP). Press test btm sqz perfs at 3930', had pump in rate of 1 BPM at 1700 psi (sqz perfs are 10' below Coal Seam. No problem if these leak since so close to Coal Seam that will be perforated). POOH with 4-3/4" bit & tbg. Prep to perf Upper Coal Seam & frac is scheduled for 10-9. SDFN.
- 10-07-93 TIH with csg scraper to 3988' (top BP), displaced hole with 1% KCl filtered wtr. LD 2-7/8" work string & DC's on float. RU Schlumberger & run CBL/CCL 3974-3500' with 1000 psi on csg. RD & WO orders.
- 10-08-93 Perf Upper Black Hawk Coal interval 3752-3972' (28 holes) using a 4" csg gun with select fire, HJ II, 22 gr, .45" diam holes, 20.94" TTP, 90° phase, all shots fired, well static. Spotted 3.5" rental tbg, RU to run 3.5", 9.2#, P-110, EUE SC coupling tbg. PU Miller 5.5" FB tension pkr & 3.5" tbg off float & SDFN.

WELL HISTORY

Shimmin Trust No. 2
Castlegate Area
Carbon County, Utah
(PG&ER Operated)

- 10-09-93 Prep to frac well. CC \$113,470.
- 10-10-93 Test surf lines to 9000 psi. Frac Upper Black Hawk Coal interval 3752-3973' (28 holes) down 3.5" tbg using 61,000 gal Alum & Zirc Dual XL CMHEC gel & 36,000# 100M, 69,000# 16/30 Ottawa sand & 20,000# of curable resin coated sand, ISIP 550 psi, 6000 psi max press, 3720 psi min press, 52 BPM max rate, 50.6 BPM avg rate, flow back force closure at 1 BPM for 60 min with 150 psi.
- 10-11-93 ND frac head, release Miller FB pkr & LD 3.5" tbg. Move out 3.5" tbg & spot 2-7/8" workstring. Trip in hole with RB & 2-7/8" workstring to 3700'. RU, circ lines & displace frac fluid with 1% KCl wtr. Drain pump, circ lines & SDFN.
- 10-12-93 Run 2-7/8" tbg & wash sand out to top RBP at 3985', move TS to 3734' & RU to swab. Swab, rec'd 322 bbl frac fluid with show of gas, slight show of 100 Mesh sand, FL at 800'. Rate 46 BPH, tag sand, had 4' fill.
- 10-13-93 Swab 150 bbl frac fluid with good show of gas, no sand, FL at 800', pull from 3300'. Tag sand, no fill up. POOH with 2-7/8" tbg, ran retrieving head on 2-7/8" workstring & latch RBP. POOH with BP. Ran hydraulic bailer, clean out 4310-18', bailer plugged. POOH with bailer, found bailer plugged with frac balls.
- 10-14-93 RIH with bull gas bailer on 2-7/8" tbg, work bailer to 4313', 3' new hole & bailer stopped, will not drill with notch collar. POOH, rec'd 40 frac balls & small amt sand. RU & run frac tracer scan log 4020-3630'.
- 10-15-93 Ran model 200 type stator on 2-7/8" coated tbg, no turn tool set at 3707', PS at 3703', EOT at 4289'. Ran model 200 type rotor on 1" Norris 78 rods with scrapers, landed rotor in stator & spaced out rods. RU KUDU pump drive & release rig.

FINAL REPORT.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

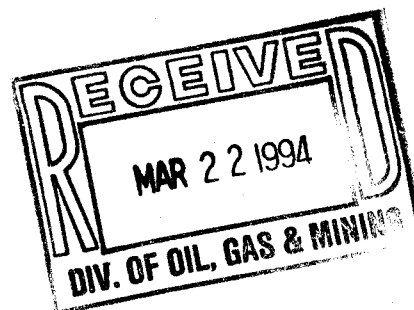
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Use APPLICATION FOR PERMIT—for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (Specify)		6. Lease Designation and Serial Number Fee
2. Name of Operator PG&E Resources Company		7. Indian Allottee or Tribe Name NA
3. Address of Operator 6688 N. Central Expwy., Suite 1000, Dallas, TX 75206		8. Unit or Communization Agreement NA
4. Telephone Number (214) 750-3800		9. Well Name and Number Shimmin No. 2
5. Location of Well Footage : 1980' FNL & 800' FEL QQ. Sec, T., R., M. : SE/4 SE/4 Section 14, T12S-R10E		10. API Well Number 43-007-30121
County : Carbon State : UTAH		11. Field and Pool, or Wildcat Wildcat

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13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PG&E Resources Company turned the referenced well into the gas sales line on March 7, 1994. The Shimmin Trust No. 2 is producing at an estimated rate of 57 MCFD & 691 BWPD on pump.



14. I hereby certify that the foregoing is true and correct.

Name & Signature Cindy R. Keister Title Sr. Regulatory Analyst Date 03/14/1994

(State Use Only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PG&E Resources Company requests approval to dispose of produced water from the referenced well into off-lease injection well(s) located in Section 10 and 11 of T12S-R10E, Carbon County, Utah. The produced water will flow via a gathering line to a central processing facility (CPF) where it will be consolidated with other produced water from the field prior to entering the injection header for disposal into one of the four injection wells. A copy of the State of Utah, UIC Permit is included for your review.

14. I hereby certify that the foregoing is true and correct.

Name & Signature Cindy R. Keister

Title

Sr. Regulatory Analyst

Date 12/20/1993

(State Use Only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

Routing:

1. LEC / 1-2-94
2. LWP 7-PL ✓
3. DEC 8-SJA ✓
4. VLC 9-FILE ✓
5. RJF ✓
6. LWP ✓

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-01-94)

TO (new operator)	<u>ANADARKO PETROLEUM CORP.</u>	FROM (former operator)	<u>PG&E RESOURCES COMPANY</u>
(address)	<u>9400 N BROADWAY STE 700</u>	(address)	<u>6688 N CENTRAL EXP #1000</u>
	<u>OKLAHOMA CITY OK 73114-7403</u>		<u>DALLAS TX 75206-3922</u>
	<u>L. STEVE HAMILTON, MGR</u>		<u>REJAHNA BARROW</u>
	phone (<u>405</u>) <u>475-7000</u>		phone (<u>214</u>) <u>750-3922</u>
	account no. <u>N 0035</u>		account no. <u>N0595</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHMENT**	API: <u>007-30121</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Lee 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 8-8-94)
- Lee 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 8-8-94)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- LWP 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. 8-15-94
- LWP 6. Cardex file has been updated for each well listed above. 8-12-94
- LWP 7. Well file labels have been updated for each well listed above. 8-12-94
- Lee 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-11-94)
- Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

Stage 3	6,000 gal	35# Dual AL & Zirc XL CMHEC Gel	4 PPG 16/30 OTTAWA SD
Stage 4	9,000 gal	35# Dual AL & Zirc XL CMHEC Gel	5 PPG 16/30 OTTAWA SD
Stage 5	4,000 gal	35# Dual AL & Zirc XL CMHEC Gel	RAMP UP TO 5 FROM 4 PPG 16/30 CURABLE RI SD
Flush	3,925 gal	10 Mic Filtered Prod. Wtr.	-----

- * EST TREAT @ 50 BPM X 3000 PSI (MX P = 5500 PSI) (SET POP-OFFS FOR 5500#).
- * JOB TO BE PILOT TESTED & BATCH-MIXED AS PER JOHN ELY SPECS AND PROCEDURE (TEST GEL XL VISCOSITY, XL TIME, BREAKER LOADING, SD SPECS).
- * TO FORCE CLOSE, OPEN WELL FOR FLOWBACK WITHIN 50 SECS OF FRAC JOB COMPLETION (OPEN WELL TO FLOW @ 1 BPM ON APPROX 8/64" CK).
- * PROTECHNICS R/A TAG SD W/2 ISOTOPES - ANTIMONY FOR 100 M & IR OR SC FOR 16/30 SD & RC.

33. FLOWBACK WELL & EVALUATE. RUN 2-7/8" TBG & RBP RET HD.

34. RET RBP & POOH.

→ RUN "AFTER FRAC" TRACER SCAN Log.

35. RUN PC PUMP STATOR AND NO-TURN TOOL AND TAIL PIPE ON 2-7/8" INTERNALLY COATED TBG; LAND PS ABOVE AND WITHIN 50' OF TOP PERFS.

36. RUN ROTOR ON 1" SR'S (W/ROD GUIDES) & LAND IN PUMP STATOR - SPACE OUT; HOOK TO DRIVE HEAD.

37. PUT WELL ON PRODUCTION.

SIGNATURES:

AC. Linn
PRODUCTION ENGINEER

9/2/93
DATE

AREA PRODUCTION MANAGER

DATE

PRODUCTION ENGINEERING MANAGER

DATE

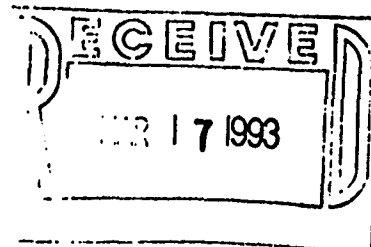


Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340



March 12, 1993

PG&E Resources Company
6688 North Central Expressway
Dallas Texas 75206

Gentlemen:

Re: Conversion of the Jensen 16-10, Jensen 9-10, Shimmin Trust 11-11, and Shimmin Trust 10-11 wells located in Sections 10 and 11, Township 12 South, Range 10 East, Carbon County, Utah, to Water Disposal Wells

In accordance with Utah Admin. R. 649-5-3-3, administrative approval for conversion of the referenced wells to Class II injection wells is granted.

The following actions are necessary to fully comply with this approval:

1. Compliance with the UIC requirements for operation, maintenance and reporting for Class II injection wells.
2. Conformance with all conditions of the submitted applications.

If you have any questions regarding this approval or the necessary requirements, please contact this office.

Sincerely,

R.J. Firth
Associate Director, Oil and Gas

cc: BLM, Price
R.J. Firth
WUI229

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. Surety # 224351 / \$80,000 "Seaboard Surety Company"
2. A copy of this form has been placed in the new and former operators' bond files.
- Yes 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date Aug. 8, 19 94. If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- Yes 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 8/19 19 94, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. by 9/2/94
- Yes 2. Copies of documents have been sent to State Lands for changes involving State leases. 8/18/94 to Ed Bonner

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: August 23 19 94.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

940809 Trust Lands / Ed Bonner (State 2-16 & 9-16 / ml-444437 Anadarko bonding in place.
* Federal Lease wells on separate chg. This change Fee, State, WDW only.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 4 of 6

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

PRODUCTION DEPT
PG&E RESOURCES COMPANY
6688 N CENTRAL EXP #1000
DALLAS TX 75206-3922

UTAH ACCOUNT NUMBER: N0595REPORT PERIOD (MONTH/YEAR): 6 / 94AMENDED REPORT ☐ (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
FEDERAL 13-33-B								
4301331277	11092	08S 16E 33	GRRV					
SHIMMIN TRUST #3								
4300730119	11096	12S 10E 14	MVRD			- FEE		
SHIMMIN TRUST #1								
4300730120	11096	12S 10E 11	MVRD			- FEE		
	11096	12S 10E 14	MVRD			- FEE		
SHIMMIN TRUST #5								
4300730122	11096	12S 10E 14	MVRD			- FEE		
SHIMMIN TRUST #4								
4300730123	11096	12S 10E 11	MVRD			- FEE		
ERAL 22-5-G								
4301331273	11103	09S 16E 5	GRRV					
FEDERAL 13-34-B								
4301331271	11104	08S 16E 34	GRRV					
FEDERAL 21-4-G								
4301331272	11107	09S 16E 4	GRRV					
FEDERAL 6-8								
4300730140	11272	12S 10E 8	MVDCL			- WTK 65948		
STATE 5-36B								
4304732224	11363	09S 19E 36	WSTC					
STATE 9-36A								
4304732225	11364	09S 18E 36	GRRV					
FEDERAL 13-26B								
4304732237	11370	09S 19E 26	WSTC					
TOTALS								

COMMENTS:

* Fed. Lease wells, separate change.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

August 19, 1994

Ms. Rejahna Barrow
PG & E Resources Company
6688 N. Central Expressway #1000
Dallas, Texas 75206-3922

Re: Notification of Sale or Transfer of Fee Lease Interest - Carbon County, Utah

Dear Ms. Barrow:

The division has received notification of a change of operator from PG & E Resources Company to Anadarko Petroleum Corporation for the following wells which are located on fee leases.

Jensen 7-15	Section 15, T.12S., R.10E	API No. 43-007-30165
Shimmin Trust 11-11	Section 11, T.12S., R.10E.	API No. 43-007-30166
Jensen 16-9	Section 9, T.12S., R.10E.	API No. 43-007-30163
Shimmin Trust 12-12	Section 12, T.12S., R.10E.	API No. 43-007-30168
Jensen 11-15	Section 15, T.12S., R.10E.	API No. 43-007-30175
Shimmin Trust 14-12	Section 12, T.12S., R.10E.	API No. 43-007-30169
Shimmin Trust 10-11	Section 11, T.12S., R.10E.	API No. 43-007-30167
Shimmin Trust 3	Section 14, T.12S., R.10E.	API No. 43-007-30119
Shimmin Trust 1	Section 11, T.12S., R.10E.	API No. 43-007-30120
Shimmin Trust 2	Section 14, T.12S., R.10E.	API No. 43-007-30121
Shimmin Trust 5	Section 14, T.12S., R.10E.	API No. 43-007-30122
Shimmin Trust 4	Section 11, T.12S., R.10E.	API No. 43-007-30123
Jensen 16-10	Section 10, T.12S., R.10E.	API No. 43-007-30161
Jensen 9-10	Section 10, T.12S., R.10E.	API No. 43-007-30159
Jensen 11-10	Section 10, T.12S., R.10E.	API No. 43-007-30164
Jensen 5-10	Section 10, T.12S., R.10E.	API No. 43-007-30162

Rule R.649-2-10 of the Utah Oil and Gas Conservation General Rules, requires that the owner of a lease provide notification to any person with an interest in such lease (working interest or royalty interest), when all or part of that interest in the lease is sold or transferred.



Page 2
Ms. Rejahna Barrow
August 19, 1994

This letter is written to advise PG & E Resources Company of its responsibility to notify all individuals with an interest in these leases of the change of operator. Please provide written documentation of this notification to the division no later than September 9, 1994.

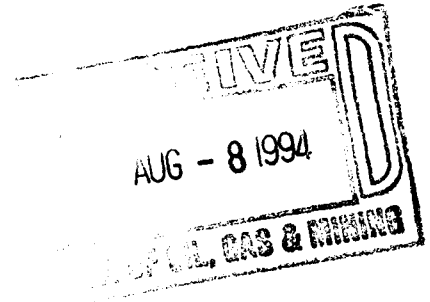
Sincerely,



Don Staley
Administrative Manager
Oil and Gas

ldc
cc: R.J. Firth
WOI201

August 2, 1994



STATE OF UTAH
Division of Oil Gas & Mining
355 W. North Temple
3 Triad Center - Suite 350
Salt Lake City, UT 84180

ATTENTION: Lisha Cordova

RE: Change of Operator
Castlegate Wells
Carbon County, Utah

Dear Lisha:

Enclosed please find the following documents in connection with the above captioned transfer of operations to Anadarko Petroleum Corporation effective as of August 1, 1994.

- 1) Copies of 8 BLM Sundry Notices (Form 3160-5)
- ✓2) Originals of 21 Utah Sundry Notices (Form 9)
- ✓3) Originals of 4 Transfers of Authority to Inject (UIC Form 5)

If additional information is needed in this regard, please contact the undersigned or Mr. L. Steve Hamilton with Anadarko at (405) 475-7000.

Sincerely,

Rejahna Barrow
Sr. Proration Analyst
(214) 750-3120

Enclosures (33)

cc: Mr. L. Steve Hamilton
Anadarko Petroleum Corporation
Oklahoma City, OK

Note: Please furnish both Operators a copy of the approved Sundry.

Form 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

6. Lease Designation and Serial Number

FEE

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement

N/A

9. Well Name and Number

Shimmin No. 2

10. API Well Number

43-007-30121

11. Field and Pool, or Wildcat

Wildcat

1. Type of Well

☐ Oil Well

☒ Gas Well

☐ Other (specify)

2. Name of Operator

Anadarko Petroleum Corporation

3. Address of Operator 9400 N. Broadway - Suite 700

Oklahoma City, OK 73114

4. Telephone Number

(405) 475-7000

5. Location of Well

Footage : 1980' FNL & 800' FEL

QQ, Sec. T., R., M. : SE/4 NE/4, Sec. 14, T12S, R10E

County : Carbon

State : UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that PG&E Resources Company is hereby transferring operations and Anadarko Petroleum Corporation is hereby assuming operations and will be responsible for the above described well effective as of August 1, 1994.

Bond coverage for this well is provided by Anadarko Petroleum Corporation's Statewide Blanket Bond #224351

PG&E Resources Company hereby agrees to the foregoing transfer.

By: _____

Sr. Proration Analyst, August 1, 1994

DATE: Aug. 11, 1994

BY: Lisa Cordova

14. I hereby certify that the foregoing is true and correct

Name & Signature _____

(State Use Only)

Title Division Admin. Mgr. Date 8/1/94

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL ☐ GAS ☐ OTHER: Coalbed Methane

2. Name of Operator

Anadarko Petroleum Corporation

3. Address and Telephone Number.

17001 Northchase Dr., Houston, Texas 77060 (281) 875-1101

4. Location of Well

Footages: SE NE 1980' FNL & 800' FEL

QQ Sec., T., R., M.: Sec. 14 T12S-R10E

5. Lease Designation and Serial Number
Fee

6. Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Shimmin Trust #2

9. API Well Number:

43-007-30121

10. Field and Pool, or Wildcat

Castlegate

County: Carbon

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input checked="" type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Approximate date work will start Early Spring

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon* | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

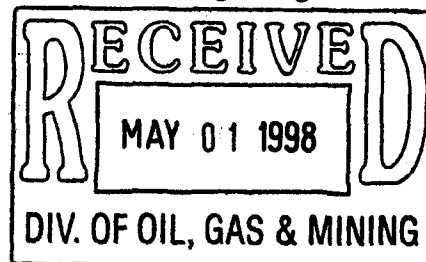
Date of work completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see attached "Well Diagram" for all wellbore information and geological markers.



13. Name & Signature Shad Frazier Title Production Engineer

Date 02/17/98

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 5-19-98

(5/94)

BY: D. Jensen

(See Instructions on Reverse Side)

SHIMMIN TRUST #2

SE NE 1980' FNL & 800' FEL: SEC 14 T12S-R10E
API NO. 43-007-30121

SPUD RIG OFF

SURFACE 07/10/1990 07/15/1990
PRODUCTION 07/28/1990 08/20/1990

WELL WORK HISTORY

10/05/1990 F/4264-4276 w/48M GAL GEL, 52M# 20/40
10/07/1990 F/4196-4205 w/31M GAL GEL, 17M# 20/40, SO
12/05/1990 F/4185-4219 w/90M GAL, 30M# 40/70, 30M# 20/40
12/07/1990 F/4028-4104 w/92M GAL, 30M# 40/70, 50M# 20/40
10/03/1993 SQUEEZE 3880 w/150 SXS
10/10/1993 F/3752-3973 w/61M GAL XL CMHEC, 36M# 100
MESH, 69M# 16/30, 20M# 16/30 RC
02/25/1994 C/O ROTOR TO 4X UNDERSIZED, TFF @ 4308
05/03/1994 RUN NEW HPC 200 PMP, TFF 4299 & CO 4363
08/25/1994 HOLE IN TBG, TFF @ 4354, RUN 175 STATOR
10/23/1994 PARTED TBG, TFF @ 4346
11/30/1994 HOLE IN TBG, TRY TO DO CIBP, TFF 4347
12/31/1994 HOLE IN TBG ABOVE PUMP
03/11/1995 PRD RTR, SWOLLEN STATOR, TFF @ 4337
07/25/1995 PRD RTR, HOLE IN TBG, REPLACE 50 RODS,
SCALE @ 4210, CO TO FISH @ 4348
09/02/1995 PRD RTR, REPLACED RODS w/ WORN GDS
11/28/1995 PRD ROD; LEFT TA MANDREL ON BTM
01/09/1996 STATOR FAILURE; FISH TAG BAR SUB
11/27/1996 PRD RODS; STATOR FAILURE; TFF @ 4323'
12/14/1996 SPLIT JT @ 2460; CO 105 RODS
02/18/1997 HIT; STATOR FAILURE; TFF 4307
05/03/1997 RAISED TBG 1 JT
05/28/1997 Rod Part above rotor body break
06/28/1997 TA pull rods and tbg

NOTES:

TUBING BREAKDOWN

2-7/8"	JTS
TA	
2-7/8"	JTS
3-1/2"	JTS
SN	
TAG BAR	
2-7/8"	JTS
NC	
EOT	

ROD BREAKDOWN

PONIES	
1"	
7/8"	
3/4"	
1"	
1.5"	
PUMP	

DEVIATION ANGLE

575 0.3
1044 0.8
1548 2
2055 1.5
2520 2
3020 3
3522 3.5
3988 4.5
4553 6.5

FORMATION

PRICE RIVER 2647
CASTLEGATE 3078
BLACKHAWK 3386
KENILWORTH 4100
ABERDEEN 4312
SPRING CANYON 4438

TOP

LAST REVISED: 04/30/1998

7546 GL 15 KB 7561

12-1/4" Hole
8-5/8" 24# WC50
w/475 sxs cmt
TOC @ Surface

624

DV Tool
w/230 sxs cmt
TOC
Sqz w/ 175 sxs cmt

3245

3680

(Holes) Perforations

(3) 3752 - 3754
(4) 3788 - 3791
(4) 3844 - 3847
(8) 3853 - 3862
(3) 3904 - 3906
(3) 3918 - 3920
(3) 3971 - 3973
(8) 4028 - 4033
(20) 4037 - 4042
(2) 4057 - 4058
(12) 4063 - 4066
(20) 4070 - 4075
(8) 4087 - 4089
(12) 4098 - 4101
(8) 4185 - 4187
(72) 4196 - 4205
(12) 4214 - 4219
(48) 4264 - 4276

(250) Total Holes

TA
EOT

4238

4245

FILL
FISH
CIBP

4307

4348

4380

(176) 4440 - 4528

7-7/8" Hole

4610

5-1/2", 17# WC70

4650

w/365 sxs cmt

TD 4650

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL ☐ GAS ☒ OTHER: METHANE

2. Name of Operator

Anadarko Petroleum Corporation

3. Address and Telephone Number.

17001 Northchase Dr., Houston, Texas 77060

4. Location of Well

Footages: 1980' FNL & 800' FEL

QQ.Sec., T., R., M.: SE NE Sec. 14-T12S-R10E

5. Lease Designation and Serial Number

6. Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Shimmin Trust 2

9. API Well Number:

43-007-30121

10. Field and Pool, or Wildcat

Castlegate Field

County: Carbon

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input checked="" type="checkbox"/> Abandon* | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

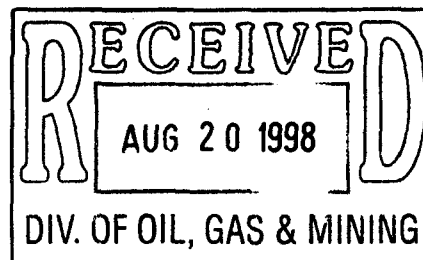
Date of work completion 06/17/98

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED WELLBORE DIAGRAM AND DETAILED FIELD REPORT.



13. Name & Signature Shad Frasier

Title Engineer

Date 08/12/98

(This space for State use only)

SHIMMIN TRUST #2

SE NE 1980' FNL & 800' FEL: SEC 14 T12S-R10E
API NO. 43-007-30121

SPUD RIG OFF

SURFACE 07/10/1990 07/15/1990
PRODUCTION 07/28/1990 08/20/1990

WELL WORK HISTORY

10/05/1990 F/4264-4276 w/48M GAL GEL, 52M# 20/40
10/07/1990 F/4196-4205 w/31M GAL GEL, 17M# 20/40, SO
12/05/1990 F/4185-4219 w/90M GAL, 30M# 40/70, 30M# 20/40
12/07/1990 F/4028-4104 w/92M GAL, 30M# 40/70, 50M# 20/40
10/03/1993 SQUEEZE 3880 w/150 SXS
10/10/1993 F/3752-3973 w/61M GAL XL CMHEC, 36M# 100
MESH, 69M# 16/30, 20M# 16/30 RC
02/25/1994 C/O ROTOR TO 4X UNDERSIZED, TFF @ 4308
05/03/1994 RUN NEW HPC 200 PMP, TFF 4299 & CO 4363
08/25/1994 HOLE IN TBG, TFF @ 4354, RUN 175 STATOR
10/23/1994 PARTED TBG, TFF @ 4346
11/30/1994 HOLE IN TBG, TRY TO DO CIBP, TFF 4347
12/31/1994 HOLE IN TBG ABOVE PUMP
03/11/1995 PRD RTR, SWOLLEN STATOR, TFF @ 4337
07/25/1995 PRD RTR, HOLE IN TBG, REPLACE 50 RODS,
SCALE @ 4210, CO TO FISH @ 4348
09/02/1995 PRD RTR, REPLACED RODS w/ WORN GDS
11/28/1995 PRD ROD; LEFT TA MANDREL ON BTM
01/09/1996 STATOR FAILURE; FISH TAG BAR SUB
11/27/1996 PRD RODS; STATOR FAILURE; TFF @ 4323'
12/14/1996 SPLIT JT @ 2460; CO 105 RODS
02/18/1997 HIT; STATOR FAILURE; TFF 4307
05/03/1997 RAISED TBG 1 JT
05/28/1997 Rod Part above rotor body break
06/28/1997 TA pull rods and tbg

NOTES:

TUBING BREAKDOWN

2-7/8"	JTS
TA	
2-7/8"	JTS
3-1/2"	JTS
SN	
TAG BAR	
2-7/8"	JTS
NC	
EOT	

ROD BREAKDOWN

PONIES	
1"	
7/8"	
3/4"	
1"	
1.5"	
PUMP	

DEVIATION ANGLE

575	0.3
1044	0.8
1548	2
2055	1.5
2520	2
3020	3
3522	3.5
3988	4.5
4553	6.5

FORMATION

PRICE RIVER	2647
CASTLEGATE	3078
BLACKHAWK	3386
KENILWORTH	4100
ABERDEEN	4312
SPRING CANYON	4438

LAST REVISED: 07/21/1998

7546	GL	15	KB	7561
CMT PLUG				50
				100
12-1/4" Hole				
8-5/8" 24# WC50				624
w/475 sxs cmt				
TOC @ Surface				
DV Tool				3245
w/230 sxs cmt				
TOC				3619
CIBP				3702
(Holes) Perforations				
(3) 3752 - 3754				
(4) 3788 - 3791				
(4) 3844 - 3847				
(8) 3853 - 3862				
(3) 3904 - 3906				
(3) 3918 - 3920				
(3) 3971 - 3973				
(8) 4028 - 4033				
(20) 4037 - 4042				
(2) 4057 - 4058				
(12) 4063 - 4066				
(20) 4070 - 4075				
(8) 4087 - 4089				
(12) 4098 - 4101				
(8) 4185 - 4187				
(72) 4196 - 4205				
(12) 4214 - 4219				
(48) 4264 - 4276				
(250) Total Holes				
FILL				4307
FISH				4348
CIBP				4380
(176) 4440 - 4528				
7-7/8" Hole				4610
5-1/2", 17# WC70				4650
w/365 sxs cmt				
TD 4650				



Plugging Procedure

Shimmin Trust #2
Sec. 14-T12S-R10E 1980' FSL & 800' FEL
Carbon County, Utah

AFE: 501501
WI: 100%
API # 43-007-30121

Purpose: Plug and Abandon Castlegate field

Surf: 8-5/8", 24# K-55
Prod: 5-1/2", 17# N-80 (Drift = 4.767")

Wireline: Halliburton, Vernal 801-789-2550
Cementing: Halliburton, Vernal 801-789-2550

Procedure:

1. RDWH, NUBOP, BD casing pressure. MIRUWL. TIH W/ GR/JB to 3740. POH w/ GR/JB and pick up CIBP. Trip in hole and set CIBP @ +/- 4290(Do not set in collars). RDWL and move to next location.
2. MIRU Coiled Tubing equipment and cement unit
3. Mix and pump a minimum of 5 sacks class G cement and spot on top of CIBP @ +/- 4290.
4. POH to bottom of surface casing @ 624 and spot a 50 ft. plug.
5. Pull up hole to within 50 ft of surface and spot 50 ft plug.
6. Cut production casing off and mix and pump a 100 ft cement plug between csg and prod csg. NDBOP.
7. Reclaim location and install 4 ft. dead man marker with lease name, number, company name, and legal description.

* all displacement fluid will contain non-corrosive fluid.

Prepared: Shad Frazier 4/29/98

Approved: JPR

Castlegate plugging.doc

cc: Steve Pearson
Alan O'Donnell
Kendall Madden
Shad Frazier
Tom Rushing
WF - Shimmin Trust #2, Carbon County, Utah



DATE 6-17-94

PAGE NO 1

Thank
You.

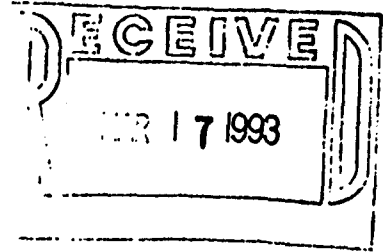


Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah.

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84100-1203
801-538-5340



March 12, 1993

PG&E Resources Company
6688 North Central Expressway
Dallas Texas 75206

Gentlemen:

Re: Conversion of the Jensen 16-10, Jensen 9-10, Shimmin Trust 11-11, and Shimmin Trust 10-11 wells located in Sections 10 and 11, Township 12 South, Range 10 East, Carbon County, Utah, to Water Disposal Wells

In accordance with Utah Admin. R. 649-5-3-3, administrative approval for conversion of the referenced wells to Class II injection wells is granted.

The following actions are necessary to fully comply with this approval:

1. Compliance with the UIC requirements for operation, maintenance and reporting for Class II injection wells.
2. Conformance with all conditions of the submitted applications.

If you have any questions regarding this approval or the necessary requirements, please contact this office.

Sincerely,

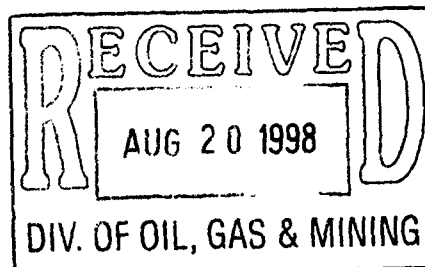
R.J. Firth
Associate Director, Oil and Gas

cc: BLM, Price
R.J. Firth
WUI229



August 13, 1998

State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84414-5801



Re: State Form 9
Castlegate Field
Carbon County, Utah

Gentlemen:

Please find enclosed, Sundry Notices and Reports on Wells (Form 9) outlining the plugging and abandoning procedures performed for the following wells:

SHIMMIN TRUST 1 <i>fr SGW to PA</i>	JENSEN 11-15 <i>fr SGW to PA</i>
SHIMMIN TRUST 2 " " " "	JENSEN 16-9 " " " "
SHIMMIN TRUST 3 " " " "	JENSEN 16-10 " " " "
SHIMMIN TRUST 4 " " " "	FEDERAL 4-13 <i>fr SGW to PA</i>
SHIMMIN TRUST 5 " " " "	FEDERAL 4-15 " " " "
SHIMMIN TRUST 10-11 <i>fr WDW to PA</i>	FEDERAL 6-8 " " " "
SHIMMIN TRUST 11-11 <i>fr SGW to PA</i>	FEDERAL 7-9 " " " "
SHIMMIN TRUST 12-12 " " " "	FEDERAL 14-13 " " " "
SHIMMIN TRUST 14-12 " " " "	FEDERAL 14-14 " " " "
JENSEN 5-10 <i>fr SGW to PA</i>	FEDERAL 16-14 " " " "
JENSEN 7-15 " " " "	FEDERAL 16-15 " " " "
JENSEN 9-10 " " " "	STATE 2-16 <i>fr SGW to PA</i>
JENSEN 11-10 " " " "	STATE 9-16 " " " "

Should you have any questions or require additional information, please contact me at (281) 873-1276.

Best regards,

ANADARKO PETROLEUM CORPORATION

Gail A. Rupert

Gail A. Rupert
Engineering Technician

Enclosures

cc: Bureau of Land Management
Moab District Office
P.O. Box 970
Moab, Utah 84532

Bureau of Land Management
Price River Resources Area
900 North, 700 East
Price, Utah 84501

GAR
SMF
TRC - Well File

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

4/1/2013

FROM: (Old Operator):

N0035-Anadarko Petroleum Corporation
 PO Box 173779
 Denver, CO, 80214

Phone: 1 (720) 929-6000

TO: (New Operator):

N3940- Anadarko E&P Onshore LLC
 PO Box 173779
 Denver, CO 802014

Phone: 1 (720) 929-6000

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/9/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/9/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 4/10/2013
- a. Is the new operator registered in the State of Utah: Business Number: 593715-0161
- a. (R649-9-2)Waste Management Plan has been received on: Yes
- b. Inspections of LA PA state/fee well sites complete on: 4/10/2013
- c. Reports current for Production/Disposition & Sundries on: 4/10/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 4/2/2013 BIA N/A
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 4/10/2013

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 4/11/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 4/11/2013
- Bond information entered in RBDMS on: 4/10/2013
- Fee/State wells attached to bond in RBDMS on: 4/11/2013
- Injection Projects to new operator in RBDMS on: 4/11/2013
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: WYB000291
- Indian well(s) covered by Bond Number: N/A
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 22013542
- b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 4/11/2013

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>CBM Wells</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: See Wells
2. NAME OF OPERATOR: Anadarko Petroleum Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 CITY Denver STATE CO ZIP 80217		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (720) 929-6000		8. WELL NAME and NUMBER:
4. LOCATION OF WELL FOOTAGES AT SURFACE:		9. API NUMBER: See Wells
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT:
COUNTY:		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>4/8/2013</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER:
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator is requesting authorization to transfer the wells from Anadarko Petroleum Corporation and Anadarko Production Company to Anadarko E&P Onshore, LLC. Please see the attached list of 181 wells that are currently filed under Anadarko Petroleum Corporation and Anadarko Production Company. The state/fee wells will be under bond number 22013542, and the federal wells will be under bond number WYB000291.

Effective 4/1/13
Please contact the undersigned if there are any questions.

Jaime Scharnowske

Jaime Scharnowske
Regulatory Analyst

Anadarko Petroleum Corporation N0035
P.O. Box 173779
Denver, CO 80214
(720) 929-6000

Jaime Scharnowske DIV. OF OIL, GAS & MINING

Jaime Scharnowske
Regulatory Analyst

Anadarko E&P Onshore, LLC N3940
P.O. Box 173779
Denver, CO 80214
(720) 929-6000

NAME (PLEASE PRINT) <u>Jaime Scharnowske</u>	TITLE <u>Regulatory Analyst</u>
SIGNATURE <i>Jaime Scharnowske</i>	DATE <u>4/8/2013</u>

(This space for State use only)

APPROVED

APR 11 2013

Rachel Medina

Anadarko Petroleum Corporation (N0035) to Anadarko E&P Onshore, LLC (N3940)
Effective 1st April-2013

Well Name	Sec	Twnsbp	Range	API	Entity No.	Lease Type	Well Type	Well status
HELPER ST SWD 1	03	140S	100E	4300730361	12258	State	WD	A
FED F-2 SWD	08	140S	100E	4300730555	12557	Federal	WD	A
CLAWSON SPRING ST SWD 4	13	160S	080E	4301530477	12979	State	WD	A
CLAWSON SPRING ST SWD 1	36	150S	080E	4300730721	12832	State	WD	I
HELPER FED B-1	33	130S	100E	4300730189	11537	Federal	GW	P
HELPER FED A-1	23	130S	100E	4300730190	11517	Federal	GW	P
HELPER FED A-3	22	130S	100E	4300730213	11700	Federal	GW	P
HELPER FED C-1	22	130S	100E	4300730214	11702	Federal	GW	P
HELPER FED B-5	27	130S	100E	4300730215	11701	Federal	GW	P
HELPER FED A-2	22	130S	100E	4300730216	11699	Federal	GW	P
HELPER FED D-1	26	130S	100E	4300730286	12061	Federal	GW	P
BIRCH A-1	05	140S	100E	4300730348	12120	Fee	GW	P
HELPER ST A-1	03	140S	100E	4300730349	12122	State	GW	P
HELPER ST D-7	04	140S	100E	4300730350	12121	State	GW	P
CHUBBUCK A-1	31	130S	100E	4300730352	12397	Fee	GW	P
VEA A-1	32	130S	100E	4300730353	12381	Fee	GW	P
VEA A-2	32	130S	100E	4300730354	12483	Fee	GW	P
VEA A-3	32	130S	100E	4300730355	12398	Fee	GW	P
VEA A-4	32	130S	100E	4300730356	12482	Fee	GW	P
HELPER ST A-8	02	140S	100E	4300730357	12257	State	GW	P
HELPER ST A-3	02	140S	100E	4300730358	12254	State	GW	P
HELPER ST A-4	02	140S	100E	4300730359	12255	State	GW	P
HELPER ST A-7	02	140S	100E	4300730360	12256	State	GW	P
HELPER ST A-2	03	140S	100E	4300730362	12232	State	GW	P
HELPER ST A-5	03	140S	100E	4300730363	12231	State	GW	P
HELPER ST A-6	03	140S	100E	4300730364	12233	State	GW	P
HELPER ST D-4	04	140S	100E	4300730365	12228	State	GW	P
HELPER ST D-3	05	140S	100E	4300730366	12184	State	GW	P
HELPER ST D-5	04	140S	100E	4300730367	12226	State	GW	P
HELPER ST D-8	04	140S	100E	4300730368	12229	State	GW	P
HELPER ST D-2	05	140S	100E	4300730369	12481	State	GW	P
HELPER ST D-6	05	140S	100E	4300730370	12234	State	GW	P
HELPER ST D-1	06	140S	100E	4300730371	12399	State	GW	P
BIRCH A-2	08	140S	100E	4300730372	12189	Fee	GW	P
HELPER ST A-9	10	140S	100E	4300730373	12230	State	GW	P
HELPER ST B-1	09	140S	100E	4300730376	12227	State	GW	P
HELPER FED F-3	08	140S	100E	4300730378	12252	Federal	GW	P
HELPER FED F-4	09	140S	100E	4300730379	12253	Federal	GW	P
HELPER ST A-10	10	140S	100E	4300730433	12488	State	GW	P
HELPER ST A-11	11	140S	100E	4300730434	12487	State	GW	P
HELPER ST A-12	10	140S	100E	4300730435	12486	State	GW	P
HELPER ST A-13	10	140S	100E	4300730436	12485	State	GW	P
HELPER ST B-2	09	140S	100E	4300730437	12484	State	GW	P
HELPER FED E-7	19	130S	100E	4300730508	13623	Federal	GW	P
HELPER FED B-2	33	130S	100E	4300730530	12619	Federal	GW	P
HELPER FED B-3	33	130S	100E	4300730531	12622	Federal	GW	P
HELPER FED B-4	33	130S	100E	4300730532	12623	Federal	GW	P
HELPER FED B-6	27	130S	100E	4300730533	12644	Federal	GW	P
HELPER FED B-7	27	130S	100E	4300730534	12645	Federal	GW	P
HELPER FED B-8	27	130S	100E	4300730535	12631	Federal	GW	P

Anadarko Petroleum Corporation (N0035) to Anadarko E&P Onshore, LLC (N3940)
Effective 1-April-2013

Well Name	Sec	Twnshp	Range	API	Entity No.	Lease Type	Well Type	Well status
HELPER FED B-9	34	130S	100E	4300730536	12646	Federal	GW	P
HELPER FED B-10	34	130S	100E	4300730537	12626	Federal	GW	P
HELPER FED B-11	34	130S	100E	4300730538	12628	Federal	GW	P
HELPER FED B-12	34	130S	100E	4300730539	12627	Federal	GW	P
HELPER FED B-13	28	130S	100E	4300730540	12621	Federal	GW	P
HELPER FED B-14	28	130S	100E	4300730541	12620	Federal	GW	P
HELPER FED D-2	26	130S	100E	4300730542	12650	Federal	GW	P
HELPER FED D-3	26	130S	100E	4300730543	12634	Federal	GW	P
HELPER FED D-4	35	130S	100E	4300730544	12625	Federal	GW	P
HELPER FED D-5	35	130S	100E	4300730545	12637	Federal	GW	P
HELPER FED D-6	35	130S	100E	4300730546	12635	Federal	GW	P
HELPER FED E-1	29	130S	100E	4300730547	13246	Federal	GW	P
HELPER FED E-2	29	130S	100E	4300730548	12636	Federal	GW	P
HELPER FED H-1	01	140S	100E	4300730549	12653	Federal	GW	P
HELPER FED H-2	01	140S	100E	4300730550	12647	Federal	GW	P
OLIVETO FED A-2	08	140S	100E	4300730556	12630	Federal	GW	P
HELPER FED F-1	08	140S	100E	4300730557	12629	Federal	GW	P
SMITH FED A-1	09	140S	100E	4300730558	13004	Federal	GW	P
SE INVESTMENTS A-1	06	140S	100E	4300730570	12624	Fee	GW	P
HELPER ST A-14	11	140S	100E	4300730571	12612	State	GW	P
HELPER ST A-15	11	140S	100E	4300730572	12613	State	GW	P
HELPER ST E-1	36	130S	100E	4300730573	12615	State	GW	P
HELPER ST E-2	36	130S	100E	4300730574	12614	State	GW	P
HARMOND A-1	07	140S	100E	4300730586	12616	Fee	GW	P
HELPER ST E-3	36	130S	100E	4300730592	12868	State	GW	P
HELPER FED A-6	23	130S	100E	4300730593	12649	Federal	GW	P
HELPER FED D-7	26	130S	100E	4300730594	12651	Federal	GW	P
HELPER FED D-8	35	130S	100E	4300730595	12652	Federal	GW	P
CLAWSON SPRING ST A-1	36	150S	080E	4300730597	12618	State	GW	P
HELPER ST E-4	36	130S	100E	4300730598	12825	State	GW	P
HELPER ST A-16	11	140S	100E	4300730603	12638	State	GW	P
CHUBBUCK A-2	06	140S	100E	4300730604	12648	Fee	GW	P
CLAWSON SPRING ST A-2	36	150S	080E	4300730635	12856	State	GW	P
CLAWSON SPRING ST A-3	36	150S	080E	4300730636	13001	State	GW	P
CLAWSON SPRING ST A-4	36	150S	080E	4300730637	12844	State	GW	P
CLAWSON SPRING ST D-5	31	150S	090E	4300730642	12852	State	GW	P
CLAWSON SPRING ST D-6	31	150S	090E	4300730643	12847	State	GW	P
CLAWSON SPRING ST D-7	31	150S	090E	4300730644	12849	State	GW	P
HELPER FED A-5	23	130S	100E	4300730677	13010	Federal	GW	P
HELPER FED A-7	22	130S	100E	4300730678	13346	Federal	GW	P
HELPER FED B-15	28	130S	100E	4300730679	13015	Federal	GW	P
HELPER FED B-16	28	130S	100E	4300730680	13203	Federal	GW	P
HELPER FED C-2	24	130S	100E	4300730681	13016	Federal	GW	P
HELPER FED C-4	24	130S	100E	4300730682	13012	Federal	GW	P
HELPER FED C-7	21	130S	100E	4300730684	13204	Federal	GW	P
HELPER FED D-9	25	130S	100E	4300730685	13245	Federal	GW	P
HELPER FED D-10	25	130S	100E	4300730686	12993	Federal	GW	P
HELPER FED D-11	25	130S	100E	4300730687	12992	Federal	GW	P
HELPER FED D-12	25	130S	100E	4300730688	13005	Federal	GW	P
HELPER FED E-4	29	130S	100E	4300730689	13229	Federal	GW	P

Anadarko Petroleum Corporation (N0035) to Anadarko E&P Onshore, LLC (N3940)
Effective 1-April-2013

Well Name	Sec	Twnshp	Range	API	Entity No.	Lease Type	Well Type	Well status
HELPER FED A-4	23	130S	100E	4300730692	13009	Federal	GW	P
HELPER FED C-5	24	130S	100E	4300730693	13013	Federal	GW	P
HELPER FED G-1	30	130S	110E	4300730694	13006	Federal	GW	P
HELPER FED G-2	30	130S	110E	4300730695	13007	Federal	GW	P
HELPER FED G-3	31	130S	110E	4300730696	13002	Federal	GW	P
HELPER FED G-4	31	130S	110E	4300730697	13003	Federal	GW	P
HELPER FED H-3	01	140S	100E	4300730698	12831	Federal	GW	P
HELPER FED H-4	01	140S	100E	4300730699	12833	Federal	GW	P
CLAWSON SPRING ST D-8	31	150S	090E	4300730701	12851	State	GW	P
HELPER FED C-3	24	130S	100E	4300730702	13011	Federal	GW	P
CLAWSON SPRING ST J-1	35	150S	080E	4300730726	13299	Fee	GW	P
PIERUCCI 1	35	150S	080E	4300730727	13325	Fee	GW	P
POTTER ETAL 1	35	150S	080E	4300730728	12958	Fee	GW	P
POTTER ETAL 2	35	150S	080E	4300730737	12959	Fee	GW	P
HELPER FED G-5	30	130S	110E	4300730770	13655	Federal	GW	P
HELPER FED G-6	30	130S	110E	4300730771	13656	Federal	GW	P
HELPER FED G-7	31	130S	110E	4300730772	13657	Federal	GW	P
HELPER FED G-8	31	130S	110E	4300730773	13658	Federal	GW	P
GOODALL A-1	06	140S	110E	4300730774	13348	Fee	GW	P
HELPER FED E-8	19	130S	100E	4300730776	13624	Federal	GW	P
HAUSKNECHT A-1	21	130S	100E	4300730781	13347	Fee	GW	P
HELPER FED E-9	19	130S	100E	4300730868	13628	Federal	GW	P
HELPER FED E-5	20	130S	100E	4300730869	13625	Federal	GW	P
HELPER FED E-6	20	130S	100E	4300730870	13631	Federal	GW	P
HELPER FED E-10	30	130S	100E	4300730871	13629	Federal	GW	P
SACCOMANNO A-1	30	130S	100E	4300730872	13622	Fee	GW	P
HELPER FED E-11	30	130S	100E	4300730873	13630	Federal	GW	P
BLACKHAWK A-2	29	130S	100E	4300730886	13783	Fee	GW	P
BLACKHAWK A-3	20	130S	100E	4300730914	13794	Fee	GW	P
BLACKHAWK A-4	21	130S	100E	4300730915	13795	Fee	GW	P
BLACKHAWK A-1X	20	130S	100E	4300730923	13798	Fee	GW	P
HELPER STATE 12-3	03	140S	100E	4300750070	17824	State	GW	P
HELPER STATE 32-3	03	140S	100E	4300750071	17827	State	GW	P
HELPER STATE 32-36	36	130S	100E	4300750072	17825	State	GW	P
VEA 32-32	32	130S	100E	4300750075	17826	Fee	GW	P
CLAWSON SPRING ST E-7	07	160S	090E	4301530392	12960	State	GW	P
CLAWSON SPRING ST E-8	07	160S	090E	4301530394	12964	State	GW	P
CLAWSON SPRING ST E-3	06	160S	090E	4301530403	12965	State	GW	P
CLAWSON SPRING ST E-1	06	160S	090E	4301530404	12966	State	GW	P
CLAWSON SPRING ST E-2	06	160S	090E	4301530405	12961	State	GW	P
CLAWSON SPRING ST E-4	06	160S	090E	4301530406	12962	State	GW	P
CLAWSON SPRING ST C-1	12	160S	080E	4301530410	12617	State	GW	P
CLAWSON SPRING ST B-1	01	160S	080E	4301530427	12845	State	GW	P
CLAWSON SPRING ST B-2	01	160S	080E	4301530428	12846	State	GW	P
CLAWSON SPRING ST B-3	01	160S	080E	4301530429	12848	State	GW	P
CLAWSON SPRING ST B-4	01	160S	080E	4301530430	12854	State	GW	P
CLAWSON SPRING ST B-5	12	160S	080E	4301530431	12963	State	GW	P
CLAWSON SPRING ST B-8	11	160S	080E	4301530432	12863	State	GW	P
CLAWSON SPRING ST B-9	11	160S	080E	4301530433	12864	State	GW	P
CLAWSON SPRING ST C-2	12	160S	080E	4301530434	12850	State	GW	P

Anadarko Petroleum Corporation (N0035) to Anadarko E&P Onshore, LLC (N3940)
Effective 1-April-2013

Well Name	Sec	Twnshp	Range	API	Entity No.	Lease Type	Well Type	Well status
CLAWSON SPRING ST C-4	14	160S	080E	4301530435	13199	State	GW	P
CLAWSON SPRING ST B-7	11	160S	080E	4301530460	12967	State	GW	P
CLAWSON SPRING ST C-6	14	160S	080E	4301530461	13355	State	GW	P
CLAWSON SPRING ST C-3	12	160S	080E	4301530463	12968	State	GW	P
CLAWSON SPRING ST B-6	11	160S	080E	4301530465	12969	State	GW	P
CLAWSON SPRING ST H-1	13	160S	080E	4301530466	13323	State	GW	P
CLAWSON SPRING ST H-2	13	160S	080E	4301530467	12955	State	GW	P
CLAWSON SPRING ST IPA-1	10	160S	080E	4301530468	12956	Fee	GW	P
CLAWSON SPRING ST IPA-2	15	160S	080E	4301530469	13200	Fee	GW	P
CLAWSON SPRING ST E-5	07	160S	090E	4301530470	12971	State	GW	P
CLAWSON SPRING ST G-1	02	160S	080E	4301530471	13014	State	GW	P
CLAWSON SPRING ST F-2	03	160S	080E	4301530472	13282	State	GW	P
CLAWSON SPRING ST F-1	03	160S	080E	4301530473	13278	State	GW	P
CLAWSON SPRING ST E-6	07	160S	090E	4301530474	13052	State	GW	P
CLAWSON SPRING ST G-2	02	160S	080E	4301530475	12957	State	GW	P
CLAWSON SPRING ST M-1	02	160S	080E	4301530488	13201	State	GW	P
CLAWSON SPRING ST K-1	02	160S	080E	4301530489	13202	State	GW	P
SHIMMIN TRUST 3	14	120S	100E	4300730119	11096	Fee	GW	PA
SHIMMIN TRUST 1	11	120S	100E	4300730120	11096	Fee	GW	PA
SHIMMIN TRUST 2	14	120S	100E	4300730121	11096	Fee	GW	PA
SHIMMIN TRUST 4	11	120S	100E	4300730123	11096	Fee	GW	PA
ST 9-16	16	120S	100E	4300730132	11402	State	GW	PA
ST 2-16	16	120S	100E	4300730133	11399	State	GW	PA
MATTS SUMMIT ST A-1	14	120S	090E	4300730141	11273	State	GW	PA
SLEMAKER A-1	05	120S	120E	4300730158	11441	Fee	GW	PA
JENSEN 16-10	10	120S	100E	4300730161	11403	Fee	GW	PA
JENSEN 7-15	15	120S	100E	4300730165	11407	Fee	GW	PA
SHIMMIN TRUST 12-12	12	120S	100E	4300730168	11420	Fee	GW	PA
JENSEN 11-15	15	120S	100E	4300730175	11425	Fee	GW	PA
BRYNER A-1	11	120S	120E	4300730188	11503	Fee	GW	PA
BRYNER A-1X (RIG SKID)	11	120S	120E	4300730209	11503	Fee	GW	PA
BLACKHAWK A-1	20	130S	100E	4300730885	13798	Fee	D	PA
BLACKHAWK A-5H	20	130S	100E	4300731402	17029	Fee	D	PA
CLAWSON SPRING ST SWD 3	06	160S	090E	4301530476	12978	State	D	PA
HELPER FED C-6	21	130S	100E	4300730683	13008	Federal	GW	S
UTAH 10-415	10	160S	080E	4301530391	12632	State	GW	TA

	API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
1	4300730189	HELPER FED B-1	NESW	33	13S	10E	Federal	USA UTU 71392	Producing
2	4300730190	HELPER FED A-1	C-SW	23	13S	10E	Federal	USA UTU 58434	Producing
3	4300730213	HELPER FED A-3	SESE	22	13S	10E	Federal	USA UTU 58434	Producing
4	4300730214	HELPER FED C-1	SENE	22	13S	10E	Federal	USA UTU 71391	Producing
5	4300730215	HELPER FED B-5	NENE	27	13S	10E	Federal	USA UTU 71392	Producing
6	4300730216	HELPER FED A-2	NESW	22	13S	10E	Federal	USA UTU 58434	Producing
7	4300730286	HELPER FED D-1	SWNE	26	13S	10E	Federal	USA UTU 68315	Producing
8	4300730378	HELPER FED F-3	NENE	8	14S	10E	Federal	USA UTU 65762	Producing
9	4300730379	HELPER FED F-4	NWNW	9	14S	10E	Federal	USA UTU 65762	Producing
10	4300730508	HELPER FED E-7	SESE	19	13S	10E	Federal	USA UTU 77980	Producing
11	4300730530	HELPER FED B-2	SENE	33	13S	10E	Federal	USA UTU 71392	Producing
12	4300730531	HELPER FED B-3	NESE	33	13S	10E	Federal	USA UTU 71392	Producing
13	4300730532	HELPER FED B-4	NENE	33	13S	10E	Federal	USA UTU 71392	Producing
14	4300730533	HELPER FED B-6	NENW	27	13S	10E	Federal	USA UTU 71392	Producing
15	4300730534	HELPER FED B-7	NESW	27	13S	10E	Federal	USA UTU 71392	Producing
16	4300730535	HELPER FED B-8	SESE	27	13S	10E	Federal	USA UTU 71392	Producing
17	4300730536	HELPER FED B-9	SENE	34	13S	10E	Federal	USA UTU 71392	Producing
18	4300730537	HELPER FED B-10	NWNE	34	13S	10E	Federal	USA UTU 71392	Producing
19	4300730538	HELPER FED B-11	SESW	34	13S	10E	Federal	USA UTU 71392	Producing
20	4300730539	HELPER FED B-12	NESE	34	13S	10E	Federal	USA UTU 71392	Producing
21	4300730540	HELPER FED B-13	SWSE	28	13S	10E	Federal	USA UTU 71392	Producing
22	4300730541	HELPER FED B-14	SWSW	28	13S	10E	Federal	USA UTU 71392	Producing
23	4300730542	HELPER FED D-2	SWNW	26	13S	10E	Federal	USA UTU 68315	Producing
24	4300730543	HELPER FED D-3	SESW	26	13S	10E	Federal	USA UTU 68315	Producing
25	4300730544	HELPER FED D-4	NWNW	35	13S	10E	Federal	USA UTU 68315	Producing
26	4300730545	HELPER FED D-5	SESW	35	13S	10E	Federal	USA UTU 68315	Producing
27	4300730546	HELPER FED D-6	NWSE	35	13S	10E	Federal	USA UTU 68315	Producing
28	4300730547	HELPER FED E-1	NESE	29	13S	10E	Federal	USA UTU 71675	Producing
29	4300730548	HELPER FED E-2	SESW	29	13S	10E	Federal	USA UTU 71675	Producing
30	4300730549	HELPER FED H-1	NENW	1	14S	10E	Federal	USA UTU 72352	Producing
31	4300730550	HELPER FED H-2	SESW	1	14S	10E	Federal	USA UTU 72352	Producing
32	4300730556	OLIVETO FED A-2	NESW	8	14S	10E	Federal	USA UTU 65762	Producing
33	4300730557	HELPER FED F-1	SESE	8	14S	10E	Federal	USA UTU 65762	Producing
34	4300730558	SMITH FED A-1	NWSW	9	14S	10E	Federal	USA UTU 65762	Producing
35	4300730593	HELPER FED A-6	SESE	23	13S	10E	Federal	USA UTU 58434	Producing
36	4300730594	HELPER FED D-7	C-SE	26	13S	10E	Federal	USA UTU 68315	Producing
37	4300730595	HELPER FED D-8	NENE	35	13S	10E	Federal	USA UTU 68315	Producing
38	4300730677	HELPER FED A-5	NENE	23	13S	10E	Federal	USA UTU 58434	Producing
39	4300730678	HELPER FED A-7	SENE	22	13S	10E	Federal	USA UTU 58434	Producing
40	4300730679	HELPER FED B-15	SENE	28	13S	10E	Federal	USA UTU 71392	Producing
41	4300730680	HELPER FED B-16	SWNW	28	13S	10E	Federal	USA UTU 71392	Producing
42	4300730681	HELPER FED C-2	NENW	24	13S	10E	Federal	USA UTU 71391	Producing

API Well Number		Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
43	4300730682	HELPER FED C-4	NWSW	24	13S	10E	Federal	USA UTU 71391	Producing
44	4300730683	HELPER FED C-6	SWSE	21	13S	10E	Federal	USA UTU 71391	Shut-In
45	4300730684	HELPER FED C-7	SESW	21	13S	10E	Federal	USA UTU 71391	Producing
46	4300730685	HELPER FED D-9	NWNW	25	13S	10E	Federal	USA UTU 68315	Producing
47	4300730686	HELPER FED D-10	SENE	25	13S	10E	Federal	USA UTU 68315	Producing
48	4300730687	HELPER FED D-11	SESW	25	13S	10E	Federal	USA UTU 68315	Producing
49	4300730688	HELPER FED D-12	SESE	25	13S	10E	Federal	USA UTU 68315	Producing
50	4300730689	HELPER FED E-4	NWNE	29	13S	10E	Federal	USA UTU 71675	Producing
51	4300730692	HELPER FED A-4	SWNW	23	13S	10E	Federal	USA UTU 58434	Producing
52	4300730693	HELPER FED C-5	SWNE	24	13S	10E	Federal	USA UTU 71391	Producing
53	4300730694	HELPER FED G-1	C-NW	30	13S	11E	Federal	USA UTU 71677	Producing
54	4300730695	HELPER FED G-2	SWSW	30	13S	11E	Federal	USA UTU 71677	Producing
55	4300730696	HELPER FED G-3	SENW	31	13S	11E	Federal	USA UTU 71677	Producing
56	4300730697	HELPER FED G-4	SESW	31	13S	11E	Federal	USA UTU 71677	Producing
57	4300730698	HELPER FED H-3	SWNE	1	14S	10E	Federal	USA UTU 72352	Producing
58	4300730699	HELPER FED H-4	NESE	1	14S	10E	Federal	USA UTU 72352	Producing
59	4300730702	HELPER FED C-3	SESW	24	13S	10E	Federal	USA UTU 71391	Producing
60	4300730770	HELPER FED G-5	SWNE	30	13S	11E	Federal	USA UTU 71677	Producing
61	4300730771	HELPER FED G-6	SWSE	30	13S	11E	Federal	USA UTU 71677	Producing
62	4300730772	HELPER FED G-7	NWNE	31	13S	11E	Federal	USA UTU 71677	Producing
63	4300730773	HELPER FED G-8	NESE	31	13S	11E	Federal	USA UTU 71677	Producing
64	4300730776	HELPER FED E-8	SENE	19	13S	10E	Federal	USA UTU 77980	Producing
65	4300730868	HELPER FED E-9	SESW	19	13S	10E	Federal	USA UTU 77980	Producing
66	4300730869	HELPER FED E-5	SWSW	20	13S	10E	Federal	USA UTU 71675	Producing
67	4300730870	HELPER FED E-6	SWNW	20	13S	10E	Federal	USA UTU 71675	Producing
68	4300730871	HELPER FED E-10	NENW	30	13S	10E	Federal	USA UTU 71675	Producing
69	4300730873	HELPER FED E-11	NWNE	30	13S	10E	Federal	USA UTU 71675	Producing
70	4300730119	SHIMMIN TRUST 3	SENW	14	12S	10E	Fee (Private)		Plugged and Abandoned
71	4300730120	SHIMMIN TRUST 1	SESE	11	12S	10E	Fee (Private)		Plugged and Abandoned
72	4300730121	SHIMMIN TRUST 2	SENE	14	12S	10E	Fee (Private)		Plugged and Abandoned
73	4300730123	SHIMMIN TRUST 4	SESW	11	12S	10E	Fee (Private)		Plugged and Abandoned
74	4300730158	SLEMAKER A-1	SWNE	5	12S	12E	Fee (Private)		Plugged and Abandoned
75	4300730161	JENSEN 16-10	SESE	10	12S	10E	Fee (Private)		Plugged and Abandoned
76	4300730165	JENSEN 7-15	SWNE	15	12S	10E	Fee (Private)		Plugged and Abandoned
77	4300730168	SHIMMIN TRUST 12-12	NWSW	12	12S	10E	Fee (Private)		Plugged and Abandoned
78	4300730175	JENSEN 11-15	NESW	15	12S	10E	Fee (Private)		Plugged and Abandoned
79	4300730188	BRYNER A-1	NESE	11	12S	12E	Fee (Private)		Plugged and Abandoned
80	4300730209	BRYNER A-1X (RIG SKID)	NESE	11	12S	12E	Fee (Private)		Plugged and Abandoned
81	4300730348	BIRCH A-1	NWSW	5	14S	10E	Fee (Private)		Producing
82	4300730352	CHUBBUCK A-1	NESE	31	13S	10E	Fee (Private)		Producing
83	4300730353	VEA A-1	SWNW	32	13S	10E	Fee (Private)		Producing
84	4300730354	VEA A-2	NENE	32	13S	10E	Fee (Private)		Producing

	API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
85	4300730355	VEA A-3	SESW	32	13S	10E	Fee (Private)		Producing
86	4300730356	VEA A-4	NWSE	32	13S	10E	Fee (Private)		Producing
87	4300730372	BIRCH A-2	NWNW	8	14S	10E	Fee (Private)		Producing
88	4300730570	SE INVESTMENTS A-1	NESE	6	14S	10E	Fee (Private)		Producing
89	4300730586	HARMOND A-1	SENE	7	14S	10E	Fee (Private)		Producing
90	4300730604	CHUBBUCK A-2	SENW	6	14S	10E	Fee (Private)		Producing
91	4300730726	CLAWSON SPRING ST J-1	SESW	35	15S	8E	Fee (Private)		Producing
92	4300730727	PIERUCCI 1	SENW	35	15S	8E	Fee (Private)		Producing
93	4300730728	POTTER ETAL 1	SWNE	35	15S	8E	Fee (Private)		Producing
94	4300730737	POTTER ETAL 2	NESE	35	15S	8E	Fee (Private)		Producing
95	4300730774	GOODALL A-1	NWSW	6	14S	11E	Fee (Private)		Producing
96	4300730781	HAUSKNECHT A-1	SWNW	21	13S	10E	Fee (Private)		Producing
97	4300730872	SACCOMANNO A-1	NESE	30	13S	10E	Fee (Private)		Producing
98	4300730885	BLACKHAWK A-1	SESE	20	13S	10E	Fee (Private)		Plugged and Abandoned
99	4300730886	BLACKHAWK A-2	NWNW	29	13S	10E	Fee (Private)		Producing
100	4300730914	BLACKHAWK A-3	SENE	20	13S	10E	Fee (Private)		Producing
101	4300730915	BLACKHAWK A-4	NENE	21	13S	10E	Fee (Private)		Producing
102	4300730923	BLACKHAWK A-1X	SESE	20	13S	10E	Fee (Private)		Producing
103	4300731402	BLACKHAWK A-5H	NENE	20	13S	10E	Fee (Private)		Plugged and Abandoned
104	4300750075	VEA 32-32	SWNE	32	13S	10E	Fee (Private)		Producing
105	4301530468	CLAWSON SPRING ST IPA-1	SESE	10	16S	8E	Fee (Private)		Producing
106	4301530469	CLAWSON SPRING ST IPA-2	NENE	15	16S	8E	Fee (Private)		Producing
107	4300730132	ST 9-16	NESE	16	12S	10E	State	ML-44443	Plugged and Abandoned
108	4300730133	ST 2-16	NWNE	16	12S	10E	State	ML-44443	Plugged and Abandoned
109	4300730141	MATTS SUMMIT ST A-1	NWNW	14	12S	9E	State	ML-44496	Plugged and Abandoned
110	4300730349	HELPER ST A-1	SENW	3	14S	10E	State	ST UT ML 45805	Producing
111	4300730350	HELPER ST D-7	NWSW	4	14S	10E	State	ST UT ML 45804	Producing
112	4300730357	HELPER ST A-8	NWSE	2	14S	10E	State	ST UT ML 45805	Producing
113	4300730358	HELPER ST A-3	NWNW	2	14S	10E	State	ST UT ML 45805	Producing
114	4300730359	HELPER ST A-4	NWNE	2	14S	10E	State	ST UT ML 45805	Producing
115	4300730360	HELPER ST A-7	NESW	2	14S	10E	State	ST UT ML 45805	Producing
116	4300730362	HELPER ST A-2	NENE	3	14S	10E	State	ST UT ML 45805	Producing
117	4300730363	HELPER ST A-5	NESW	3	14S	10E	State	ST UT ML 45805	Producing
118	4300730364	HELPER ST A-6	NESE	3	14S	10E	State	ST UT ML 45805	Producing
119	4300730365	HELPER ST D-4	SWNW	4	14S	10E	State	ST UT ML 45804	Producing
120	4300730366	HELPER ST D-3	NENE	5	14S	10E	State	ST UT ML 45804	Producing
121	4300730367	HELPER ST D-5	NWNE	4	14S	10E	State	ST UT ML 45804	Producing
122	4300730368	HELPER ST D-8	SESE	4	14S	10E	State	ST UT ML 45804	Producing
123	4300730369	HELPER ST D-2	NENW	5	14S	10E	State	ST UT ML 45804	Producing
124	4300730370	HELPER ST D-6	SESE	5	14S	10E	State	ST UT ML 45804	Producing
125	4300730371	HELPER ST D-1	NENE	6	14S	10E	State	ST UT ML 45804	Producing
126	4300730373	HELPER ST A-9	SENW	10	14S	10E	State	ST UT ML 45805	Producing

	API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
127	4300730376	HELPER ST B-1	SWNE	9	14S	10E	State	ST UT ML 47556	Producing
128	4300730433	HELPER ST A-10	NWNE	10	14S	10E	State	ST UT ML 45805	Producing
129	4300730434	HELPER ST A-11	SWNW	11	14S	10E	State	ST UT ML 45805	Producing
130	4300730435	HELPER ST A-12	NWSW	10	14S	10E	State	ST UT ML 45805	Producing
131	4300730436	HELPER ST A-13	NESE	10	14S	10E	State	ST UT ML 45805	Producing
132	4300730437	HELPER ST B-2	NESE	9	14S	10E	State	ST UT ML 47556	Producing
133	4300730571	HELPER ST A-14	SESW	11	14S	10E	State	ST UT ML 45805	Producing
134	4300730572	HELPER ST A-15	SENE	11	14S	10E	State	ST UT ML 45805	Producing
135	4300730573	HELPER ST E-1	SESW	36	13S	10E	State	ST UT ML 45802	Producing
136	4300730574	HELPER ST E-2	SWNW	36	13S	10E	State	ST UT ML 45802	Producing
137	4300730592	HELPER ST E-3	NENE	36	13S	10E	State	ST UT ML 45802	Producing
138	4300730597	CLAWSON SPRING ST A-1	SWSE	36	15S	8E	State	ST UT ML 46106	Producing
139	4300730598	HELPER ST E-4	SWSE	36	13S	10E	State	ST UT ML 45802	Producing
140	4300730603	HELPER ST A-16	SWSE	11	14S	10E	State	ST UT ML 45805	Producing
141	4300730635	CLAWSON SPRING ST A-2	NWNW	36	15S	8E	State	ST UT ML 46106	Producing
142	4300730636	CLAWSON SPRING ST A-3	NESW	36	15S	8E	State	ST UT ML 46106	Producing
143	4300730637	CLAWSON SPRING ST A-4	NWNE	36	15S	8E	State	ST UT ML 46106	Producing
144	4300730642	CLAWSON SPRING ST D-5	NENW	31	15S	9E	State	ML-48226	Producing
145	4300730643	CLAWSON SPRING ST D-6	SWSW	31	15S	9E	State	ML-48226	Producing
146	4300730644	CLAWSON SPRING ST D-7	NWNE	31	15S	9E	State	ML-48226	Producing
147	4300730701	CLAWSON SPRING ST D-8	NWSE	31	15S	9E	State	ML-48226	Producing
148	4300750070	HELPER STATE 12-3	SWNW	3	14S	10E	State	ST UT ML 45805	Producing
149	4300750071	HELPER STATE 32-3	SWNE	3	14S	10E	State	ST UT ML 45805	Producing
150	4300750072	HELPER STATE 32-36	SWNE	36	13S	10E	State	ST UT ML 45802	Producing
151	4301530391	UTAH 10-415	NENE	10	16S	8E	State	ST UT ML 48189	Temporarily-Abandoned
152	4301530392	CLAWSON SPRING ST E-7	SENE	7	16S	9E	State	ST UT ML 48220-A	Producing
153	4301530394	CLAWSON SPRING ST E-8	SWSE	7	16S	9E	State	ST UT ML 48220-A	Producing
154	4301530403	CLAWSON SPRING ST E-3	SENE	6	16S	9E	State	ST UT ML 48220-A	Producing
155	4301530404	CLAWSON SPRING ST E-1	SENE	6	16S	9E	State	ST UT ML 48220-A	Producing
156	4301530405	CLAWSON SPRING ST E-2	NESW	6	16S	9E	State	ST UT ML 48220-A	Producing
157	4301530406	CLAWSON SPRING ST E-4	NWSE	6	16S	9E	State	ST UT ML 48220-A	Producing
158	4301530410	CLAWSON SPRING ST C-1	SWNW	12	16S	8E	State	ST UT UO 48209	Producing
159	4301530427	CLAWSON SPRING ST B-1	NENW	1	16S	8E	State	ST UT ML 48216	Producing
160	4301530428	CLAWSON SPRING ST B-2	NWSW	1	16S	8E	State	ST UT ML 48216	Producing
161	4301530429	CLAWSON SPRING ST B-3	NWNE	1	16S	8E	State	ST UT ML 48216	Producing
162	4301530430	CLAWSON SPRING ST B-4	SESE	1	16S	8E	State	ST UT ML 48216	Producing
163	4301530431	CLAWSON SPRING ST B-5	SWSW	12	16S	8E	State	ST UT ML 48216	Producing
164	4301530432	CLAWSON SPRING ST B-8	SENE	11	16S	8E	State	ST UT ML 48216	Producing
165	4301530433	CLAWSON SPRING ST B-9	NWSE	11	16S	8E	State	ST UT ML 48216	Producing
166	4301530434	CLAWSON SPRING ST C-2	SENE	12	16S	8E	State	ST UT UO 48209	Producing
167	4301530435	CLAWSON SPRING ST C-4	SWNW	14	16S	8E	State	ST UT UO 48209	Producing
168	4301530460	CLAWSON SPRING ST B-7	NWSW	11	16S	8E	State	ST UT ML 48216	Producing

	API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
169	4301530461	CLAWSON SPRING ST C-6	SENE	14	16S	8E	State	ST UT UO 48209	Producing
170	4301530463	CLAWSON SPRING ST C-3	C-SE	12	16S	8E	State	ST UT UO 48209	Producing
171	4301530465	CLAWSON SPRING ST B-6	NENW	11	16S	8E	State	ST UT ML 48216	Producing
172	4301530466	CLAWSON SPRING ST H-1	NENW	13	16S	8E	State	ST UT ML 48217-A	Producing
173	4301530467	CLAWSON SPRING ST H-2	NENE	13	16S	8E	State	ST UT ML 48217-A	Producing
174	4301530470	CLAWSON SPRING ST E-5	NENW	7	16S	9E	State	ST UT ML 48220-A	Producing
175	4301530471	CLAWSON SPRING ST G-1	NWNW	2	16S	8E	State	ST UT ML 46314	Producing
176	4301530472	CLAWSON SPRING ST F-2	NESE	3	16S	8E	State	ST UT ML 48515	Producing
177	4301530473	CLAWSON SPRING ST F-1	SENE	3	16S	8E	State	ST UT ML 48514	Producing
178	4301530474	CLAWSON SPRING ST E-6	SESW	7	16S	9E	State	ST UT ML 48220-A	Producing
179	4301530475	CLAWSON SPRING ST G-2	NESW	2	16S	8E	State	ST UT ML 46314	Producing
180	4301530488	CLAWSON SPRING ST M-1	NWNE	2	16S	8E	State	ST UT ML 47561	Producing
181	4301530489	CLAWSON SPRING ST K-1	SESE	2	16S	8E	State	ST UT ML 46043	Producing